

S  
622.34  
L3hmop  
1992  
V.2  
Chen-Northern, inc  
Hazardous Mine  
Opening Project,  
Phase 25, Project  
27 ; Basin,  
Boulder, Cataract,  
High Ore, Montana

# **FINAL REPORT**

## **HAZARDOUS MINE OPENING PROJECT; PHASE 25, PROJECT 27**

**DSL-AMRB 90-021**

**Basin, Boulder, Cataract, High Ore,  
Montana City and Elliston Mining Districts**

**Jefferson and Powell Counties, Montana**

**June 1992**

### **APPENDIX G PHOTOGRAPHIC RECORD**



**Chen Northern, Inc.**  
**Helena, Montana**



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[https://archive.org/details/hazardousmineop1992chen\\_1](https://archive.org/details/hazardousmineop1992chen_1)

Sep 1, 1993  
Aug 10, 1994

STATE DOCUMENTS COLLECTION

SEP 1 1992

MONTANA STATE LIBRARY  
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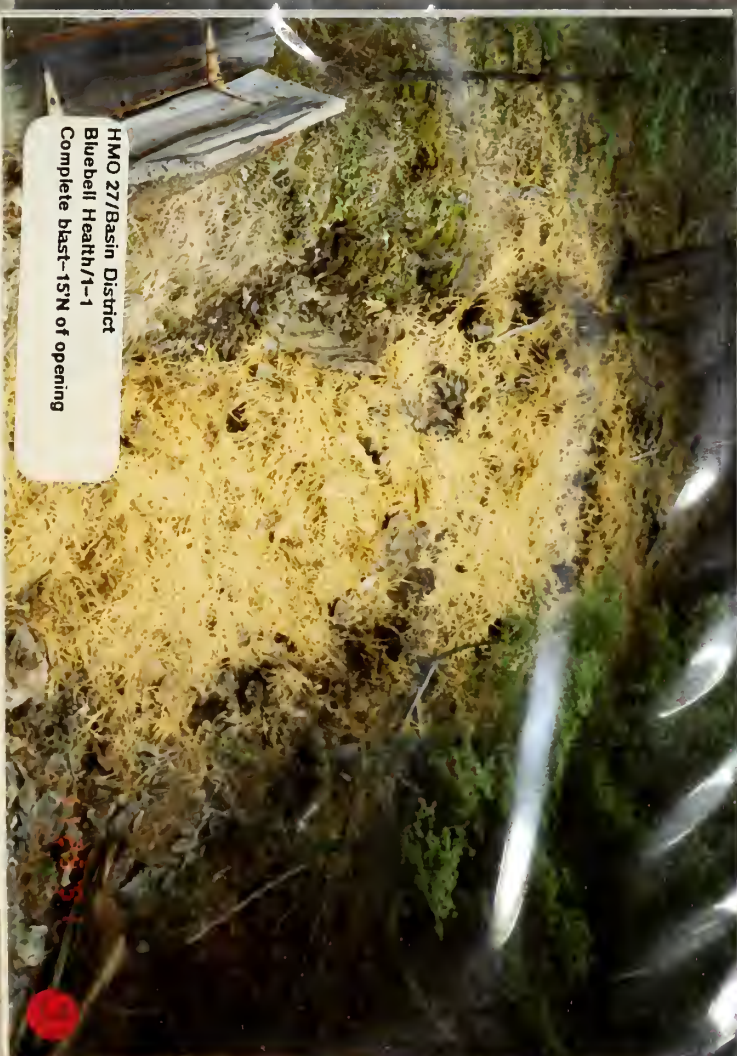
HMO 27/Basin District  
Bluebell/1-1  
Before blast-10'N of opening



HMO 27/Basin District  
Bluebell/1-2  
Before backfill-5'N of opening



HMO 27/Basin District  
Bluebell Health/1-1  
Baring adit closed-10'N of opening

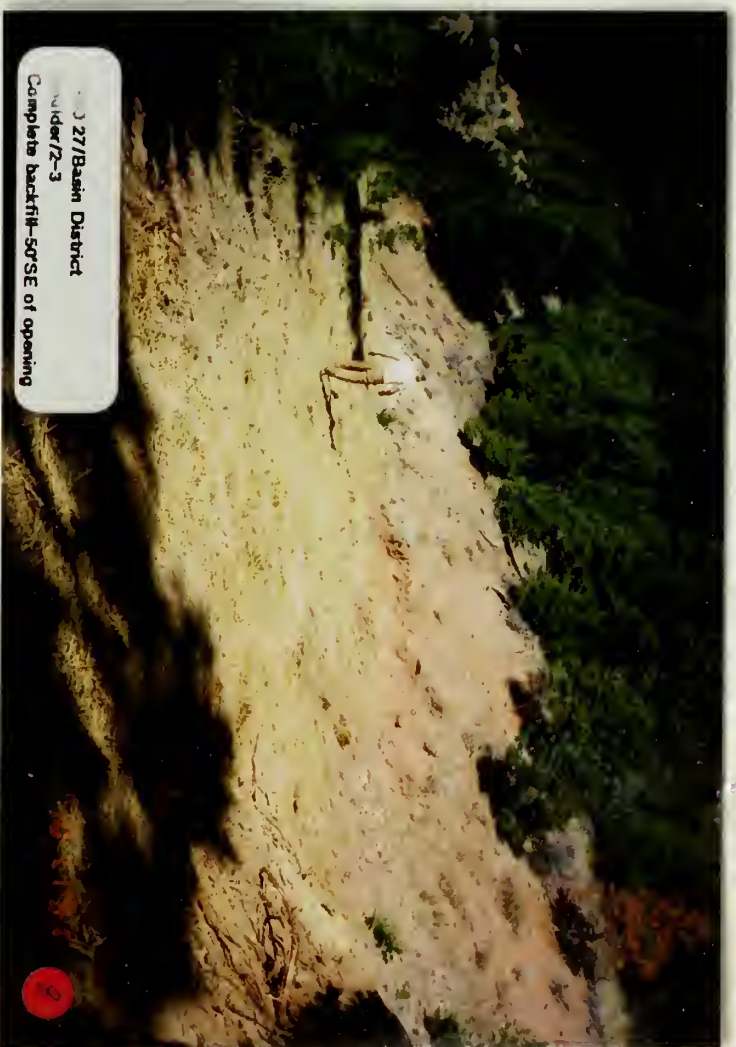


HMO 27/Basin District  
Bluebell Health/1-1  
Complete blast-15'N of opening





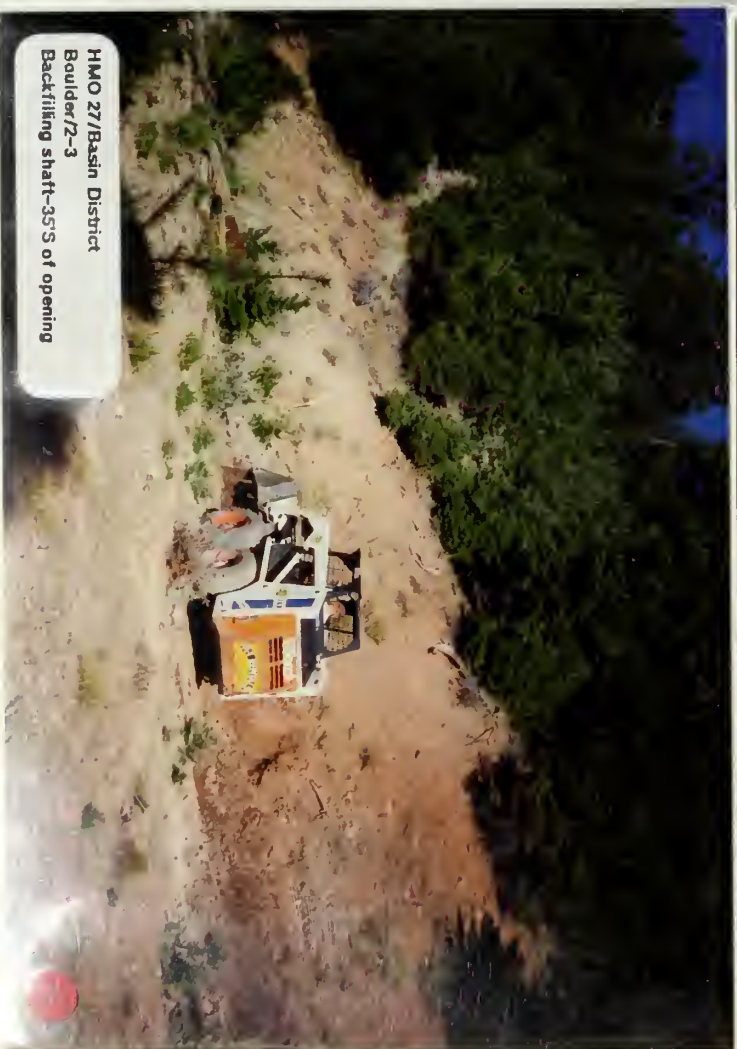
HMO 27/Basin District  
Bluebell Heath/1-2  
Complete backfill-20'N of opening



HMO 27/Basin District  
Boulder/2-3  
Complete backfill-50'SE of opening



HMO 27/Basin District  
Boulder/2-3  
Complete backfill-10'S of opening



HMO 27/Basin District  
Boulder/2-3  
Backfilling shaft-35'S of opening





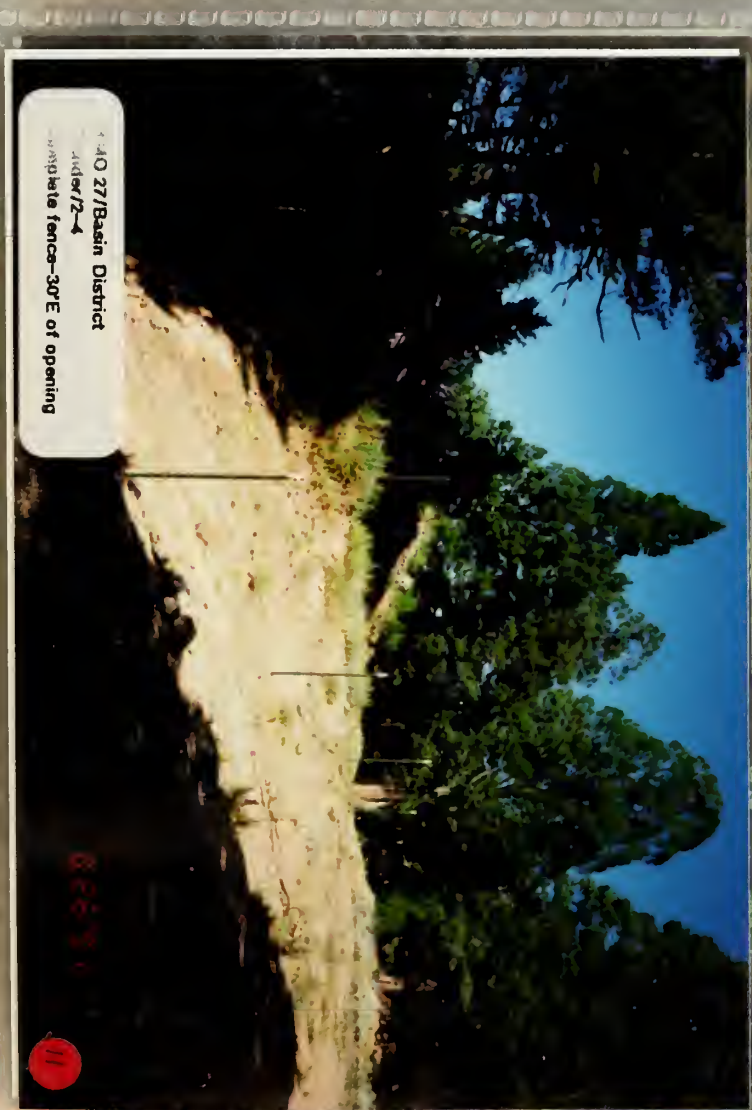
HMO 27/Basin District  
Boulder/2-4  
Before fence-10'E of opening



HMO 27/Basin District  
Boulder/2-5  
Before fence-10'W of opening



HMO 27/Basin District  
Boulder/2-4,5  
Equipment - Little Beaver



HMO 27/Basin District  
Boulder/2-4  
Complete fence-30'E of opening





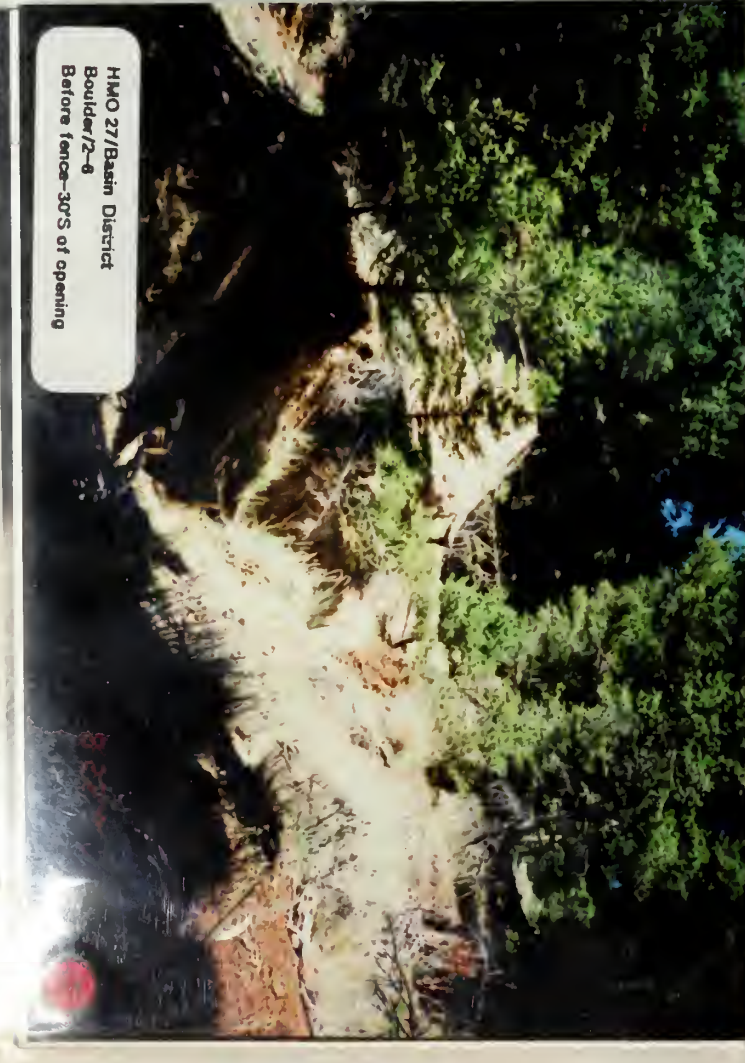
HMO 27/Basin District  
Boulder/2-4.5  
Equipment-Little Beaver



HMO 27/Basin District  
Boulder/2-6  
Complete fence-20'E of opening



HMO 27/Basin District  
Boulder/2-8  
Complete fence-20'S of opening



HMO 27/Basin District  
Boulder/2-8  
Before fence-30'S of opening





HMO 27/Basin District  
Boulder/2-7  
Before fence-5N of opening



HMO 27/Basin District  
Boulder/2-8 & 9  
Complete fence-50W of opening

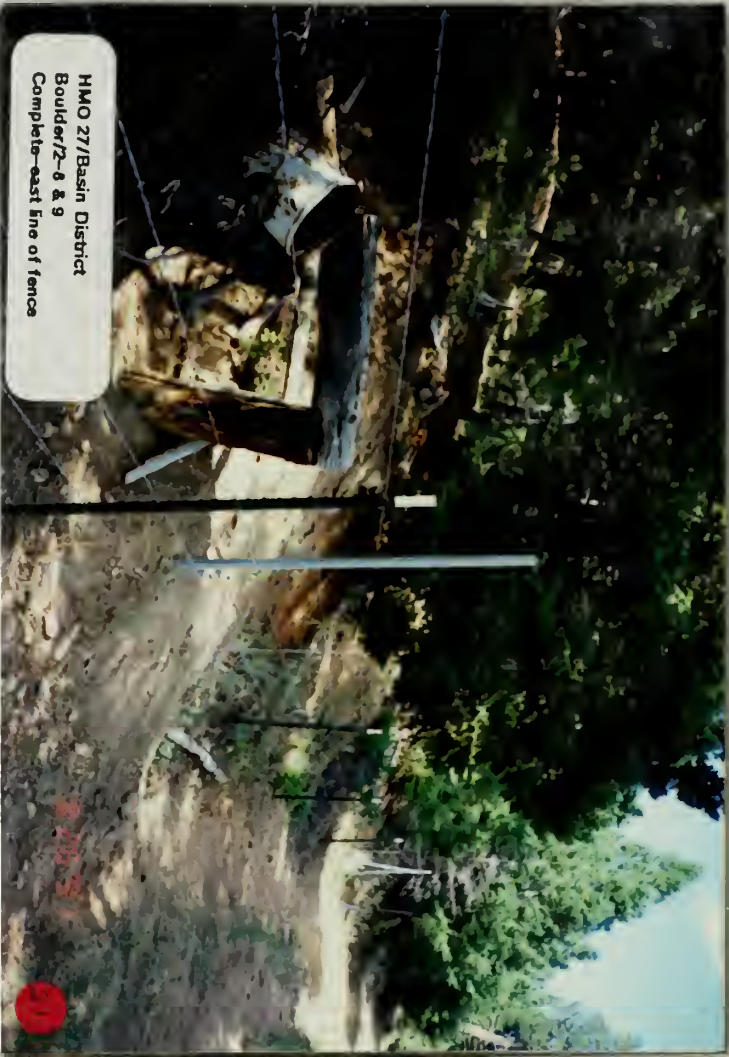


HMO 27/Basin District  
Boulder/2-7  
Complete fence-20W of opening



HMO 27/Basin District  
Boulder/2-8 & 9  
Before fence-10E of opening





HMO 27/Basin District  
Boulder/2-8 & 9  
Complete-east line of fence



HMO 27/Basin District  
Boulder/2-8 & 9  
Complete-east line of fence

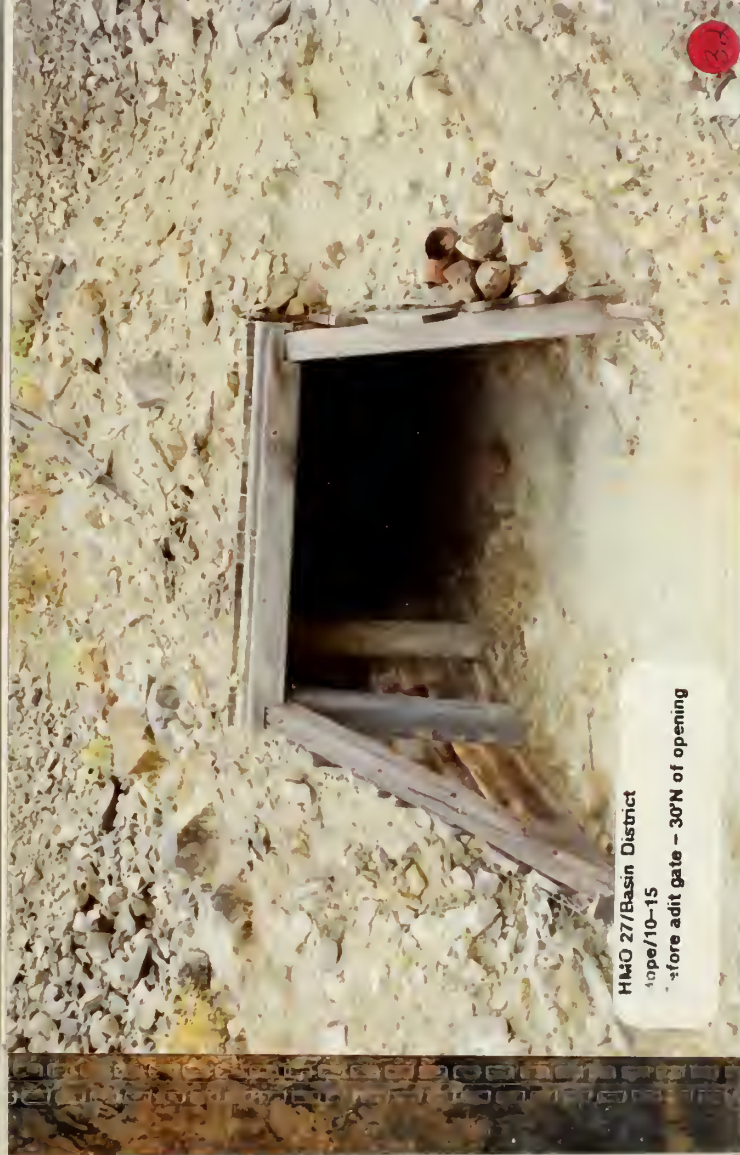


HMO 27/Basin District  
Boulder/2-10  
Adding culvert-30' E of opening



HMO 27/Basin District  
Boulder/2-10  
Before culvert-30' E of opening





HMO 27/Basin District  
Doris/10-15  
Before adit gate - 30'N of opening



HMO 27/Basin District  
Eureka/16-13  
Complete blast-20'S of opening



HMO 27/Basin District  
Doris/3-12  
Complete blast-15'E of opening

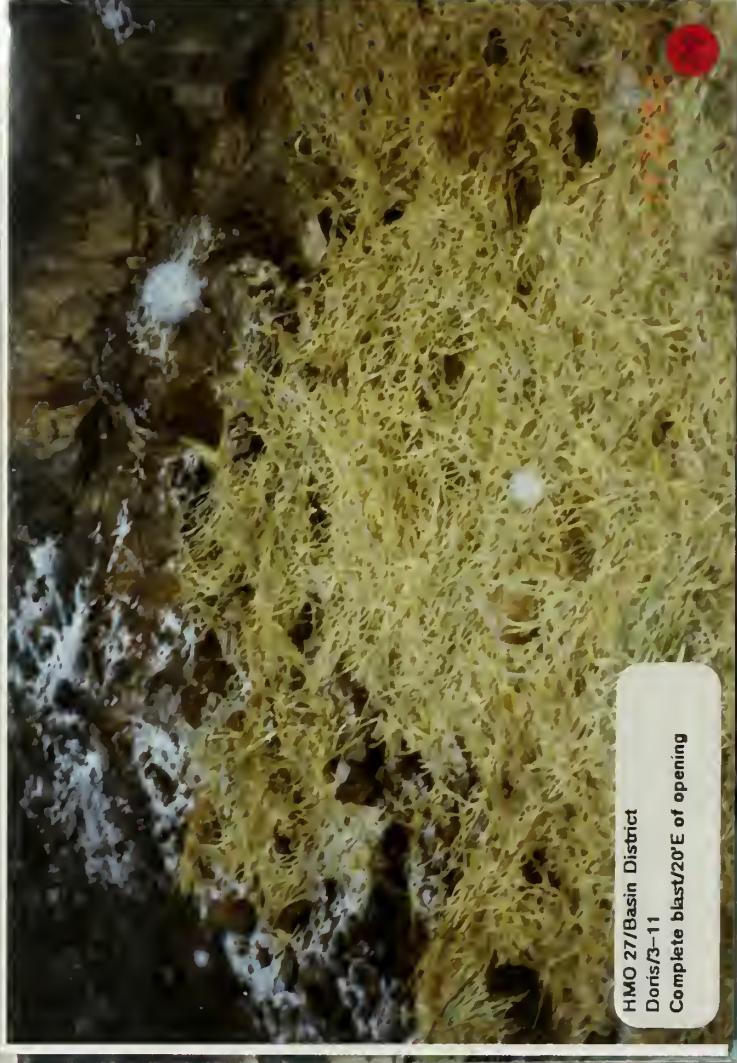


HMO 27/Basin District  
Eureka/16-13  
Before-20'S of opening

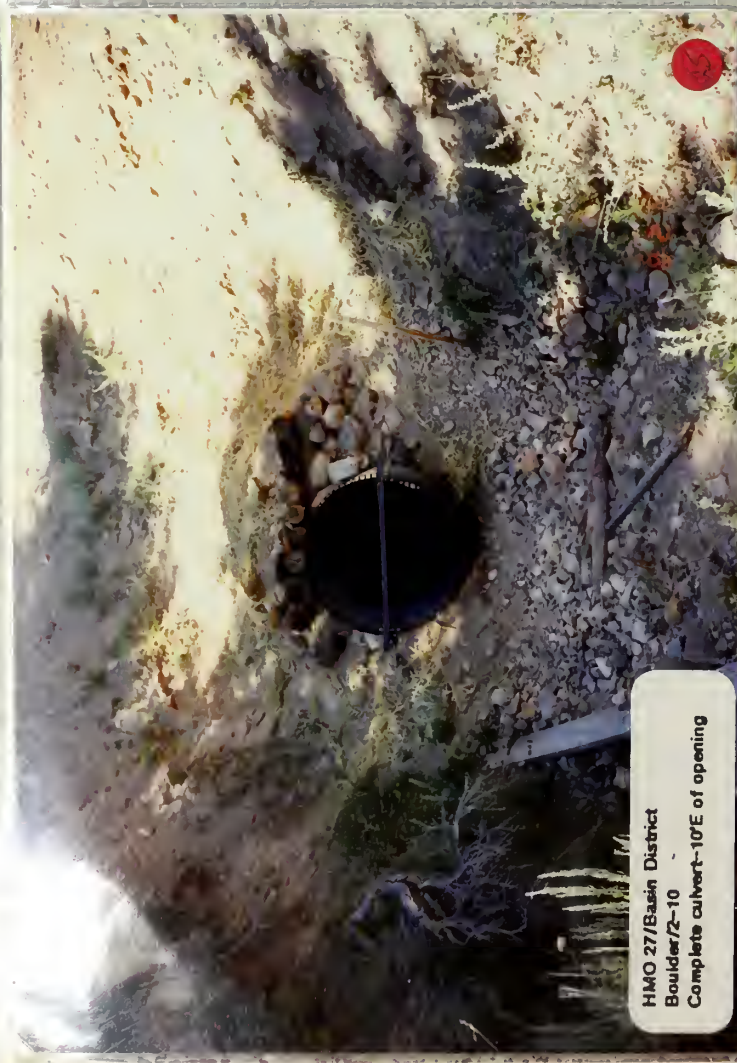




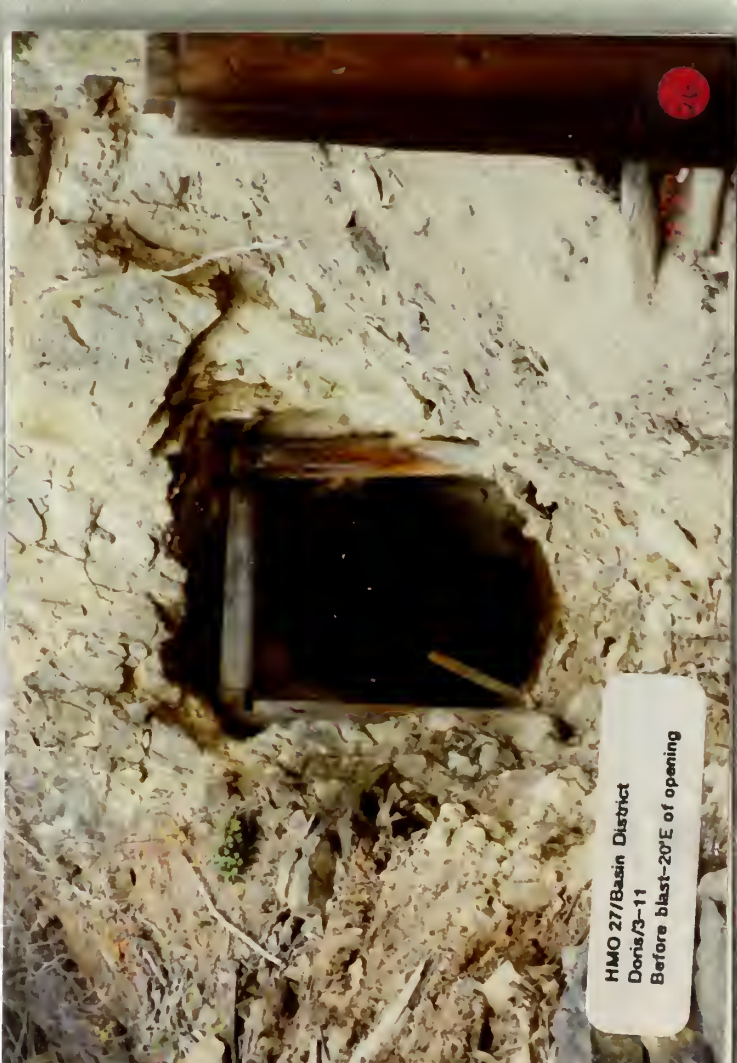
HMO 27/Basin District  
Doris/3-12  
Before blast-10'E of opening



HMO 27/Basin District  
Doris/3-11  
Complete blast/20'E of opening



HMO 27/Basin District  
Boulder/2-10  
Complete culvert-10'E of opening



HMO 27/Basin District  
Doris/3-11  
Before blast-20'E of opening





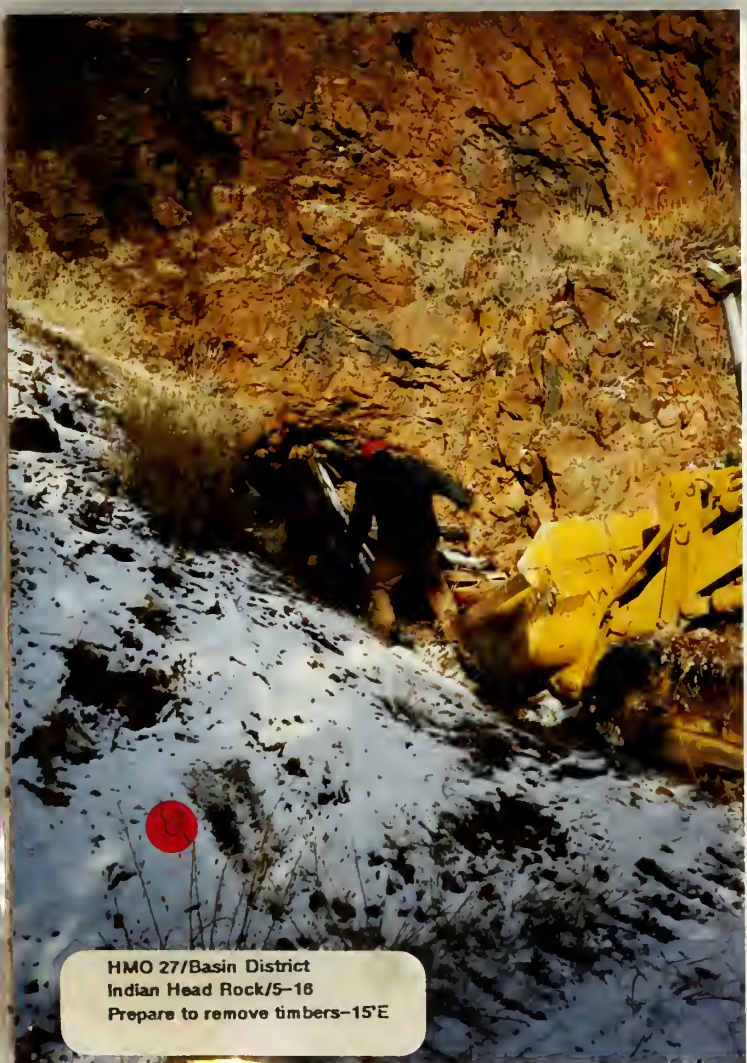
HMO 27/Basin District  
Hope/10-15  
Complete adit gate-SN of opening



HMO 27/Basin District  
Indian Head Rock/5-16  
Before-15'E of opening



HMO 27/Basin District  
Indian Head Rock/5-16  
Seeded area-15'E of opening



HMO 27/Basin District  
Indian Head Rock/5-16  
Prepare to remove timbers-15'E

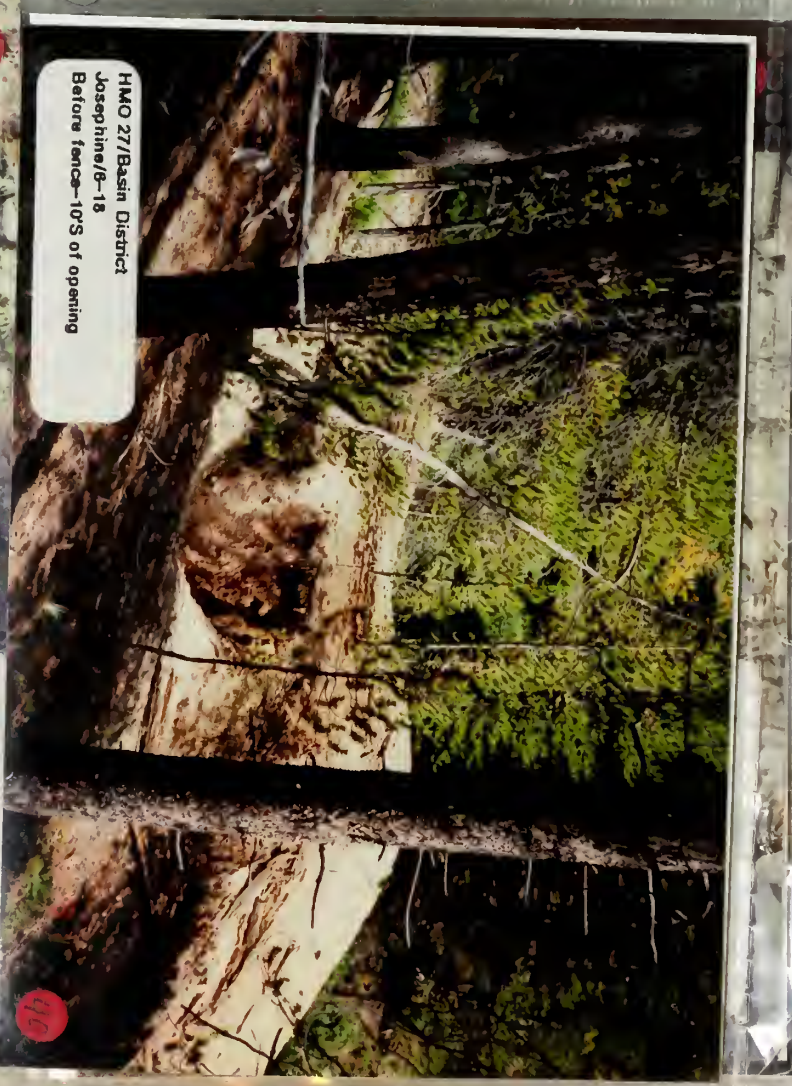




HMO 27/Basin District  
Indian Head Rock/5-17  
Before-15'E of opening



HMO 27/Basin District  
Indian Head Rock/5-18  
Prepare to remove timbers-15'E

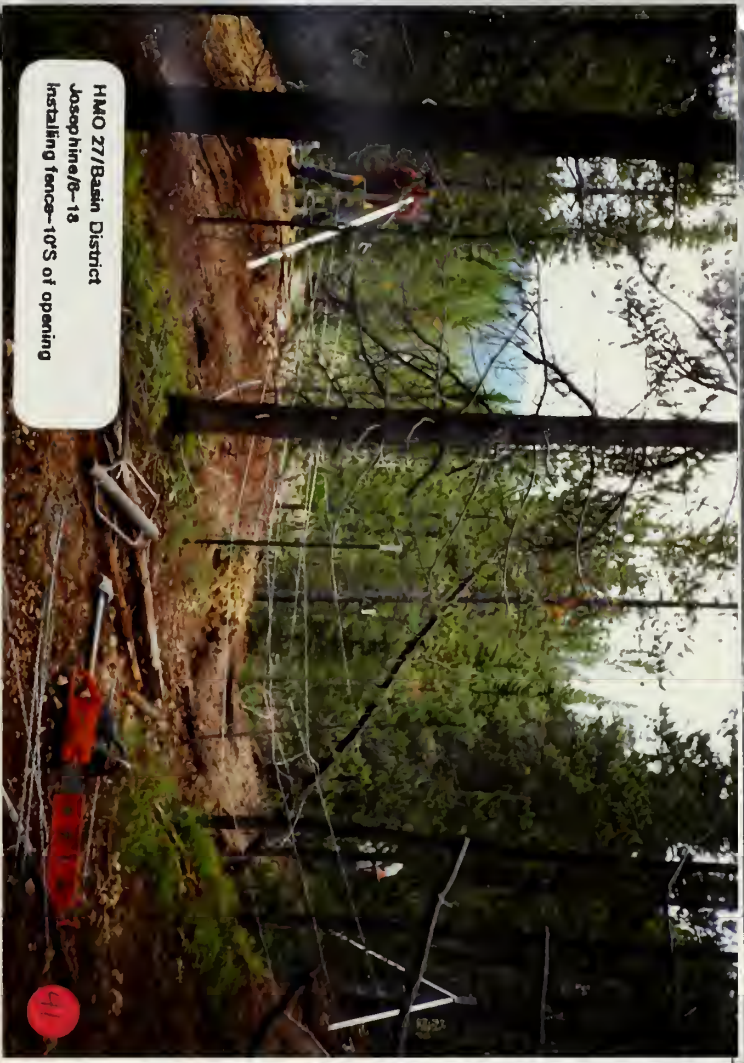


HMO 27/Basin District  
Josephine/8-18  
Before fence-10'S of opening

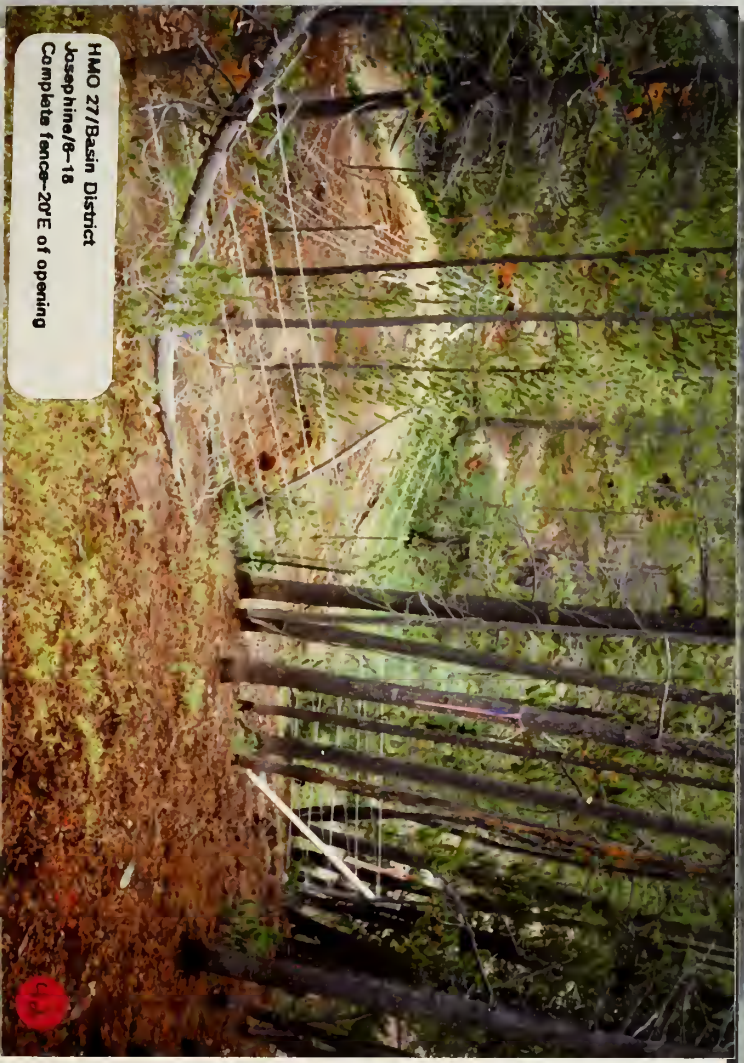


HMO 27/Basin District  
Indian Head Rock/5-17  
Seeded area-15'E of opening

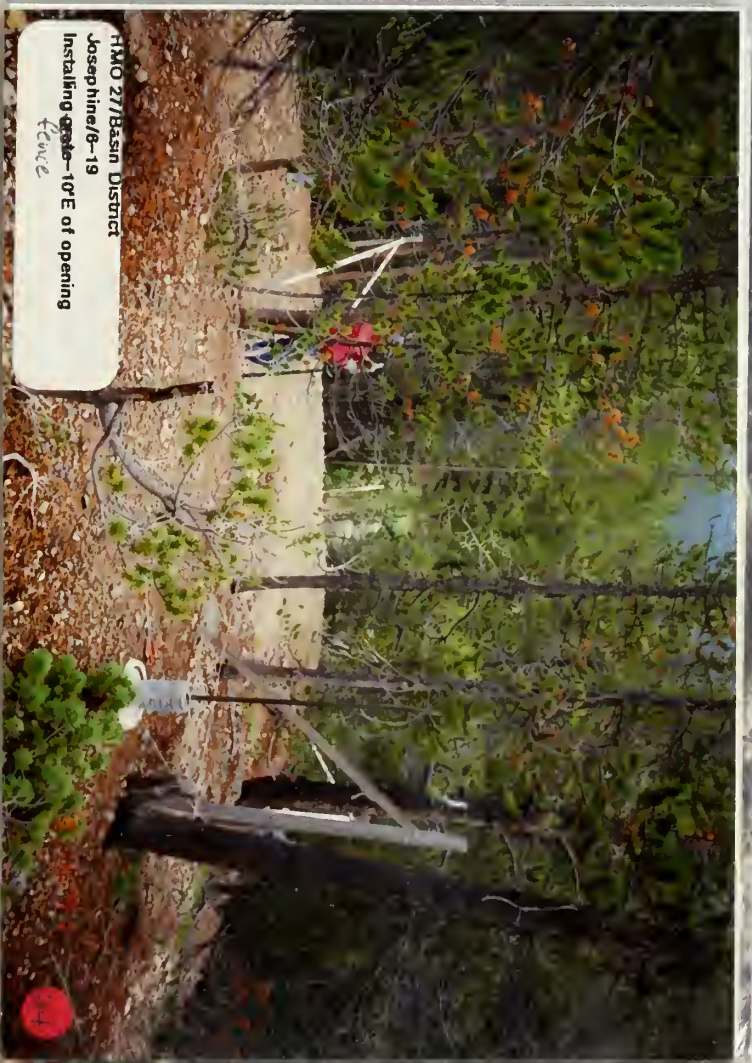




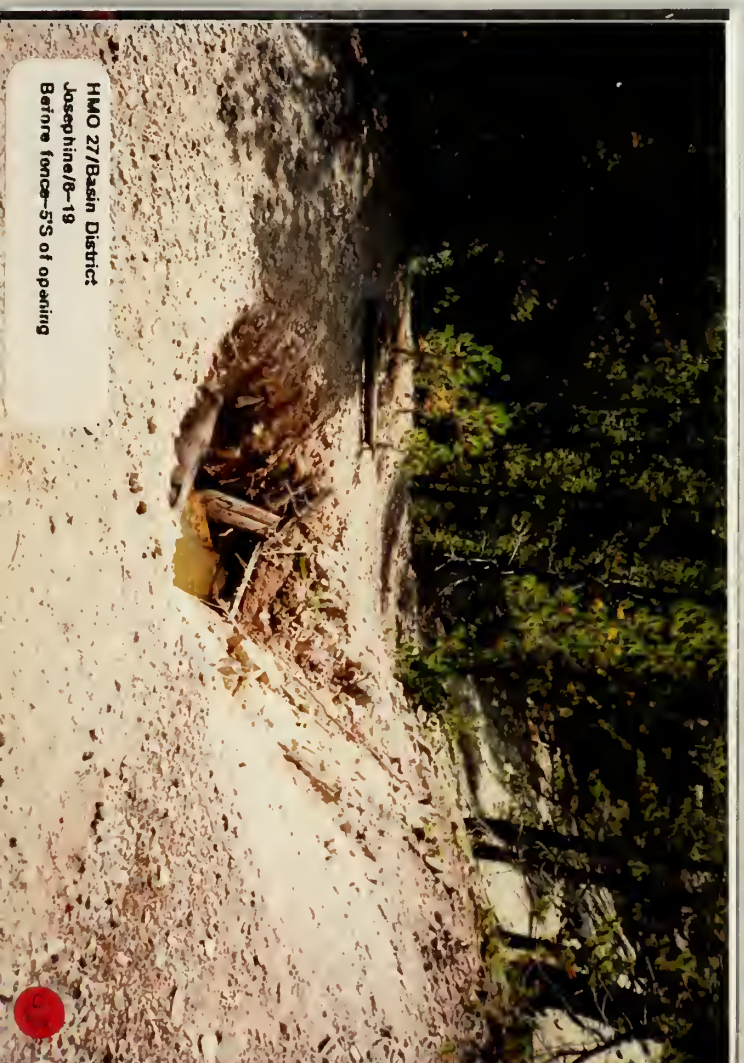
HMO 27/Basin District  
Josephine/8-18  
Installing fence-10'S of opening



HMO 27/Basin District  
Josephine/8-18  
Complete fence-20'E of opening



HMO 27/Basin District  
Josephine/8-19  
Installing gate-10'E of opening  
fence

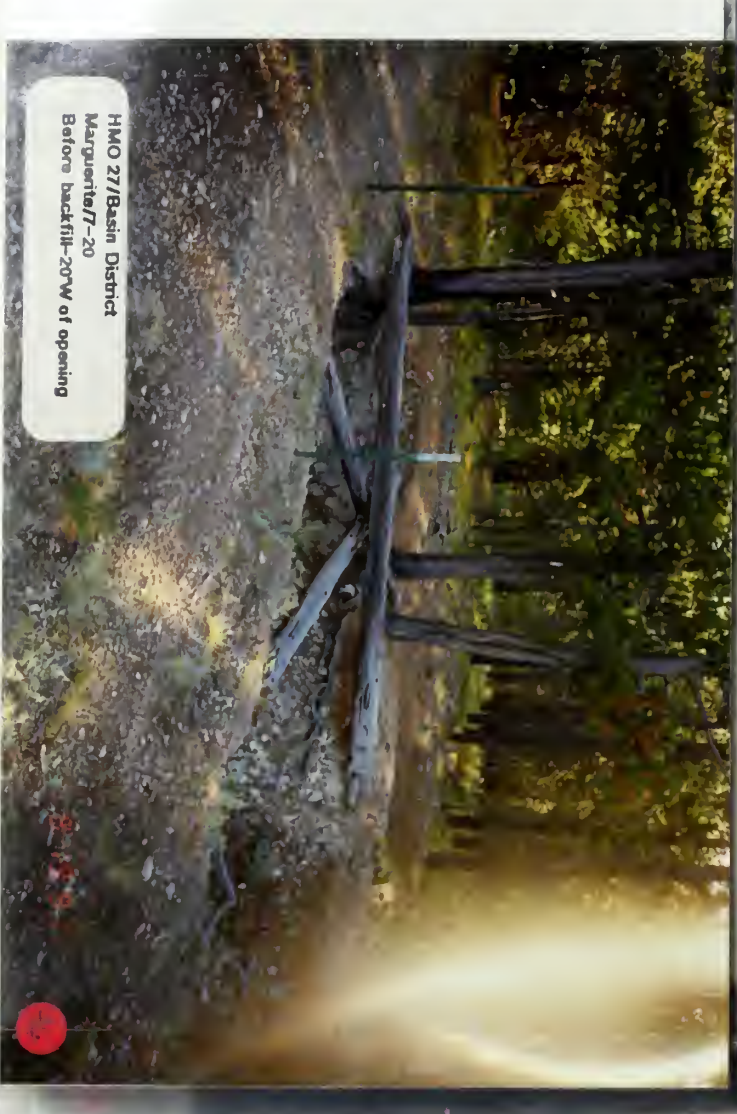


HMO 27/Basin District:  
Josephine/8-19  
Before fence-5'S of opening

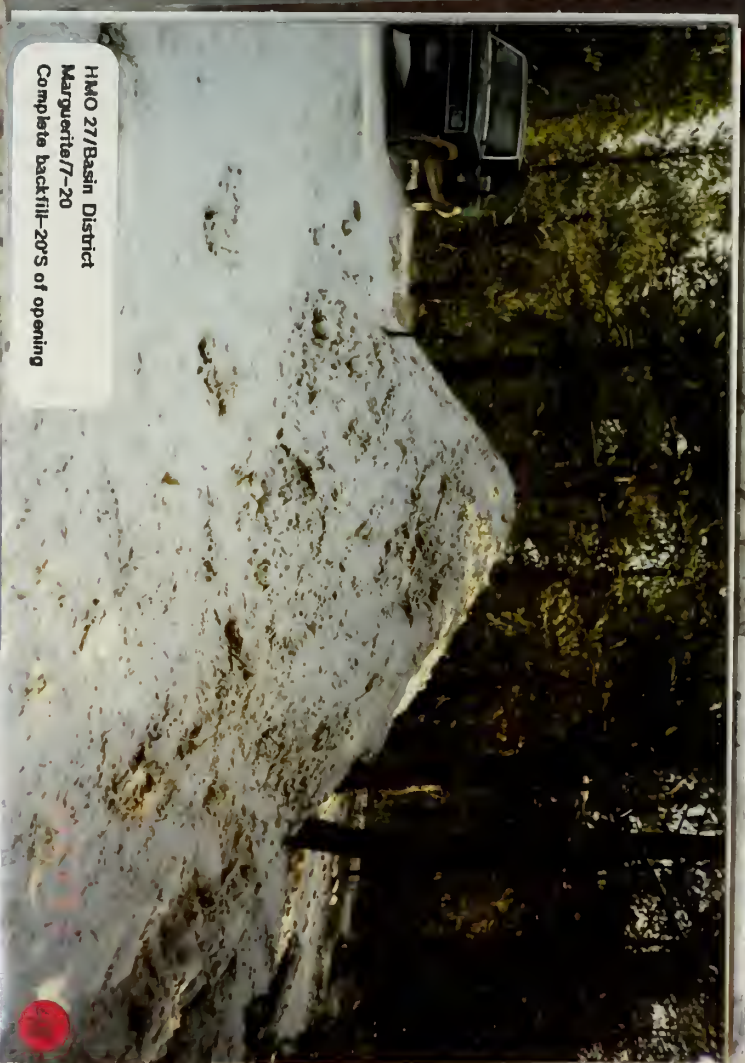




HMO 27/Basin District  
Josephine/8-19  
Complete fence-20'E of opening



HMO 27/Basin District  
Marguerite/7-20  
Before backfill-20'W of opening



HMO 27/Basin District  
Marguerite/7-20  
Complete backfill-20'S of opening



HMO 27/Basin District  
Marguerite/7-20  
Backfilling shaft-20'N of opening





HMO 27/Basin District  
Marquette/7-20  
Seeded area-10' N of opening

54



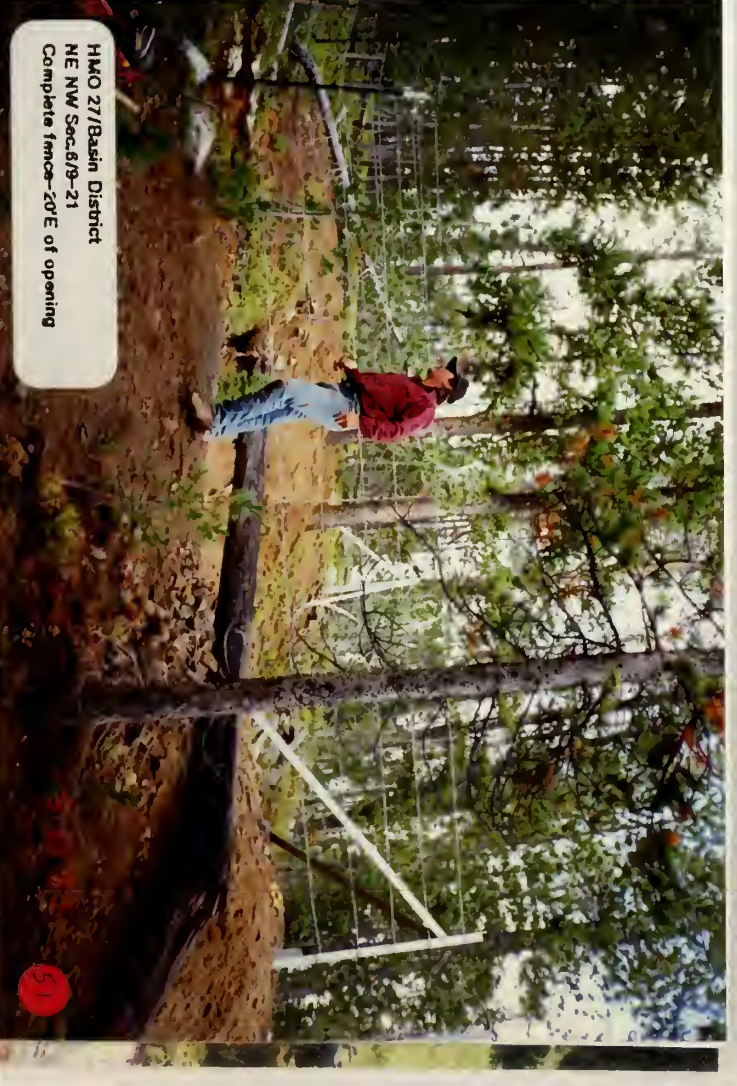
HMO 27/Basin District  
NE NW Sec.6/8-21  
Before fence-5'S of opening

55



HMO 27/Basin District  
NW SW Sec.7/11-22  
Before culvert-20' W of opening

56



HMO 27/Basin District  
NE NW Sec.6/8-21  
Complete fence-20' E of opening

57



HMO 27/Basin District  
NW SW Sec.7/11-22  
Installing culvert-20'W of opening

Complete with fence-20'W of opening



HMO 27/Basin District  
NW SW Sec.7/11-23  
Installing fence-10'N of opening



HMO 27/Basin District  
NW SW Sec.7/11-22  
Complete culvert-20'W of opening



HMO 27/Basin District  
NW SW Sec.7/11-23  
Before fence-10'N of opening

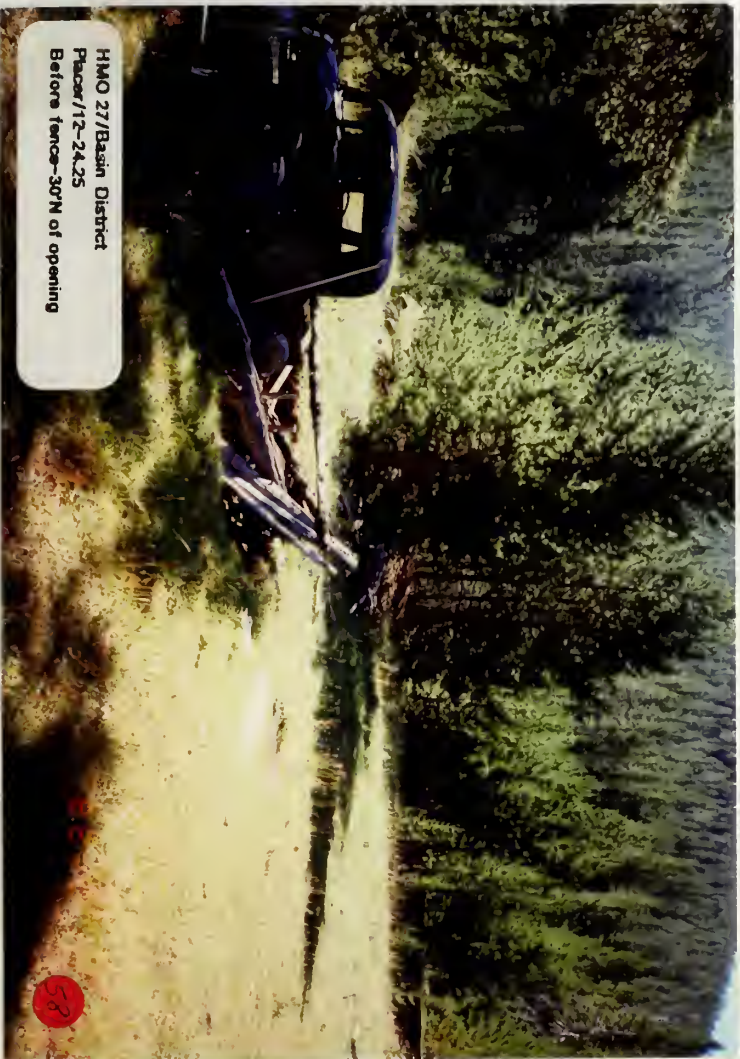






HMO 27/Basin District  
NW SW Sec.7/11-23  
Complete fence-20W of opening

62151



HMO 27/Basin District  
Placer/12-24,25  
Before fence-30W of opening

62151



HMO 27/Basin District  
Placer/12-25  
Before fence-10W of opening

62151



HMO 27/Basin District  
Placer/12-24  
Before fence-10W of opening

62151





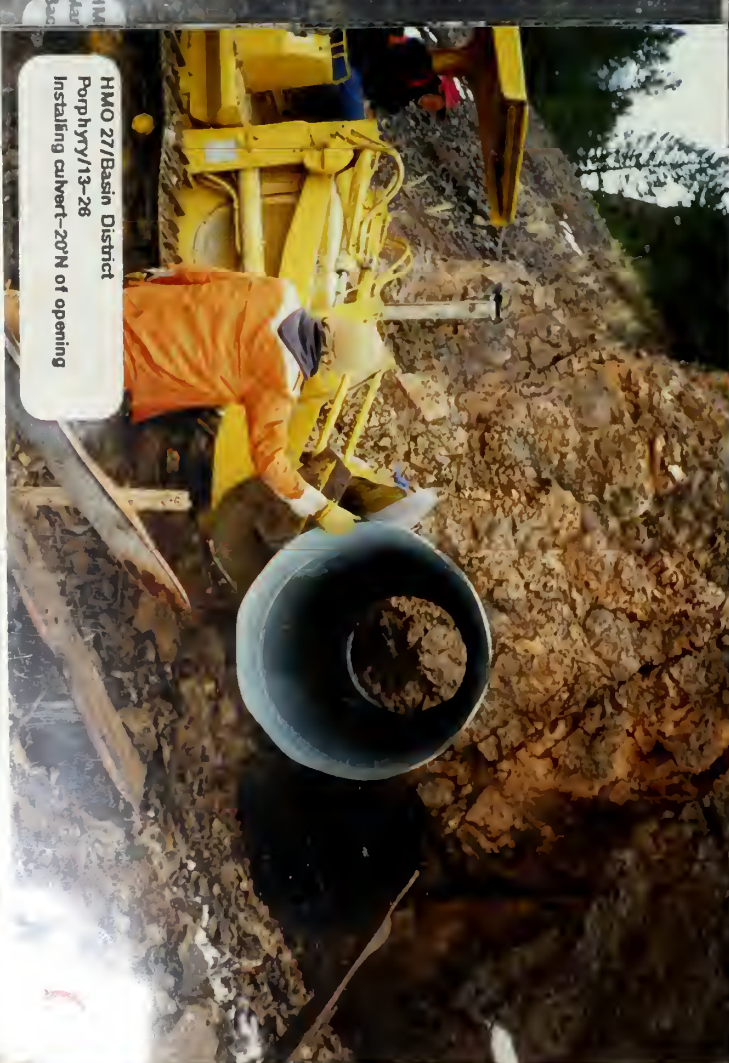
MO 27/Basin District  
Porphyry/13-28  
Installing fence-10'W of opening



HMO 27/Basin District  
Porphyry/13-28  
Installing culvert-20'N of opening



HMO 27/Basin District  
Porphyry/13-28  
Before culvert-20'N of opening



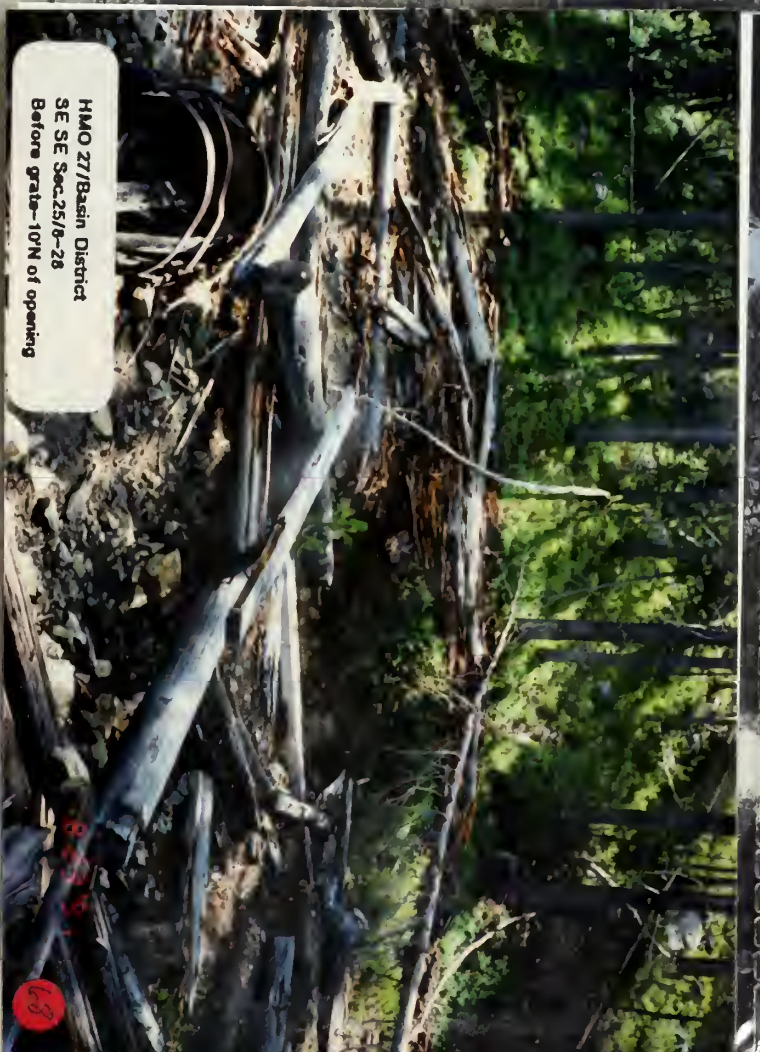
HMO 27/Basin District  
Porphyry/13-28  
Installing culvert-20'N of opening





HMO 27/Basin District  
Porphyry/13-26  
Complete culvert-20'N of opening

8-2-91



HMO 27/Basin District  
SE SE Sec.25/b-26  
Before grate-10'N of opening

8-2-91



HMO 27/Basin District  
SE NW Sec.30/14-27  
Before grate-5'W of opening

8-2-91



HMO 27/Basin District  
SE NW Sec.30/14-27  
Complete grate-10'SW of opening

8-2-91





HMO 27/Basin District  
SE SE Sec.25/8-28  
Installing grate-20'E of opening



HMO 27/Basin District  
SE SE Sec.25/8-28  
Comp to grate-10'E of opening



HMO 27/Basin District  
SE SE Sec.25/8-29  
Complete fence-SNE of opening



HMO 27/Basin District  
SE SE Sec.25/8-29  
Before fence-S'E of opening





HMO 27/Basin District  
SW SE Sec. 1/15-30  
Before backfill-30S of opening

93



HMO 27/Basin District  
SW SE Sec. 1/15-30  
Seeded area-30'E of opening

94



HMO 27/Basin District  
SW SE Sec. 1/15-30  
Backfilling shaft-25W of opening

95



HMO 27/Basin District  
SW SE Sec. 1/15-30  
Backfilling shaft-25W of opening

96

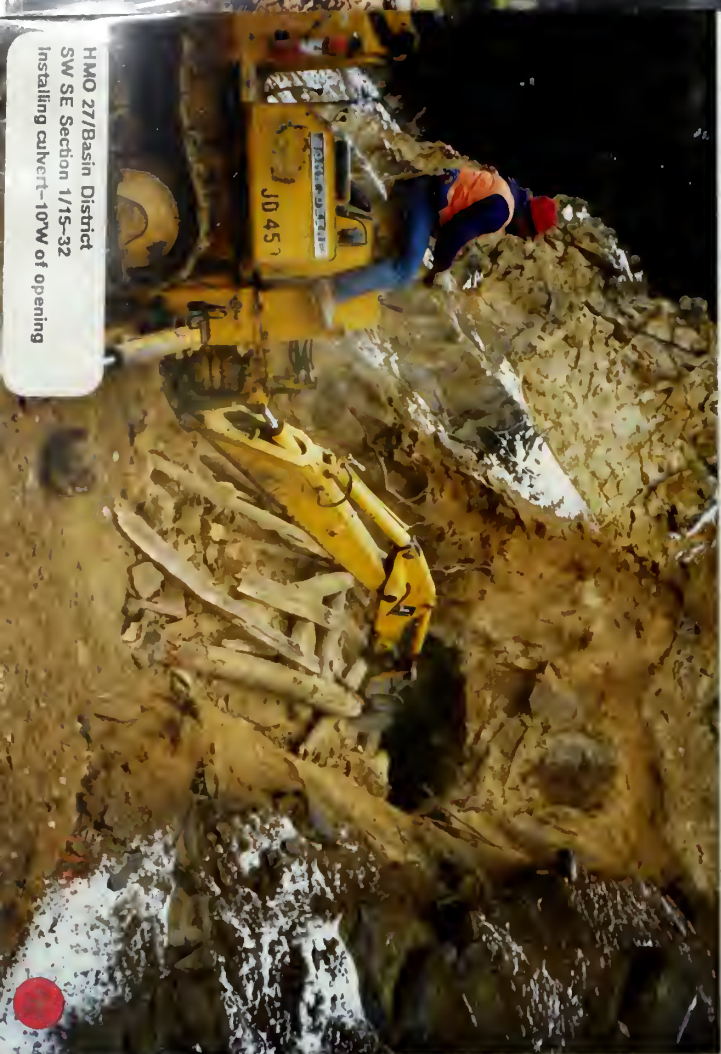




HMO 27/Basin District  
SW SE Sec. 1/15-32  
Before culvert-10'W of opening



HMO 27/Basin District  
SW SE Section 1/15-32  
Complete culvert-10'W of opening



HMO 27/Basin District  
SW SE Section 1/15-32  
Installing culvert-10'W of opening



HMO 27/Basin District  
SW SE Section 1/15-32  
Installing culvert-10'W of opening





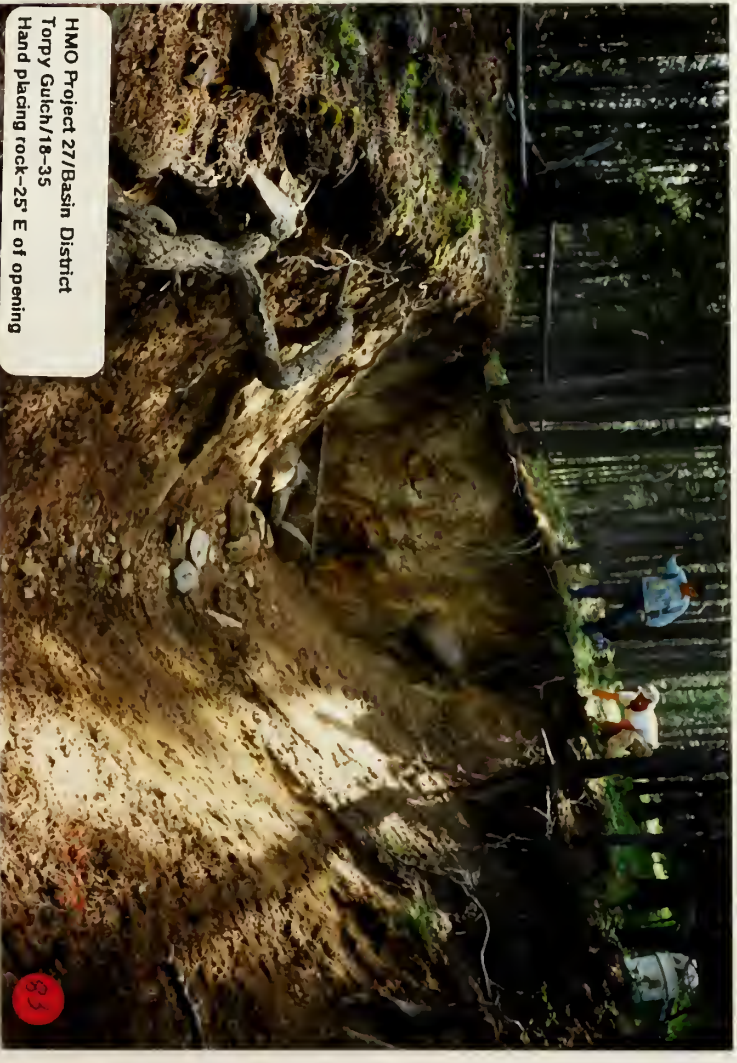
HMO 27/Basin District  
Torpy Gulch/18-35  
Before blast-20'S of opening



HMO Project 27/Basin District  
Torpy Gulch/18-35  
Complete closure-15' N of opening



HMO Project 27/Basin District  
Torpy Gulch/18-35  
Hand placing rock-25' E of opening



HMO Project 27/Basin District  
Torpy Gulch/18-35  
Hand placing rock-25' E of opening





93

SEATTLE FILMWORKS  
09.06.02



HMO 27/Basin District  
Winters Camp/19-38  
Complete adit gate-10'E of opening

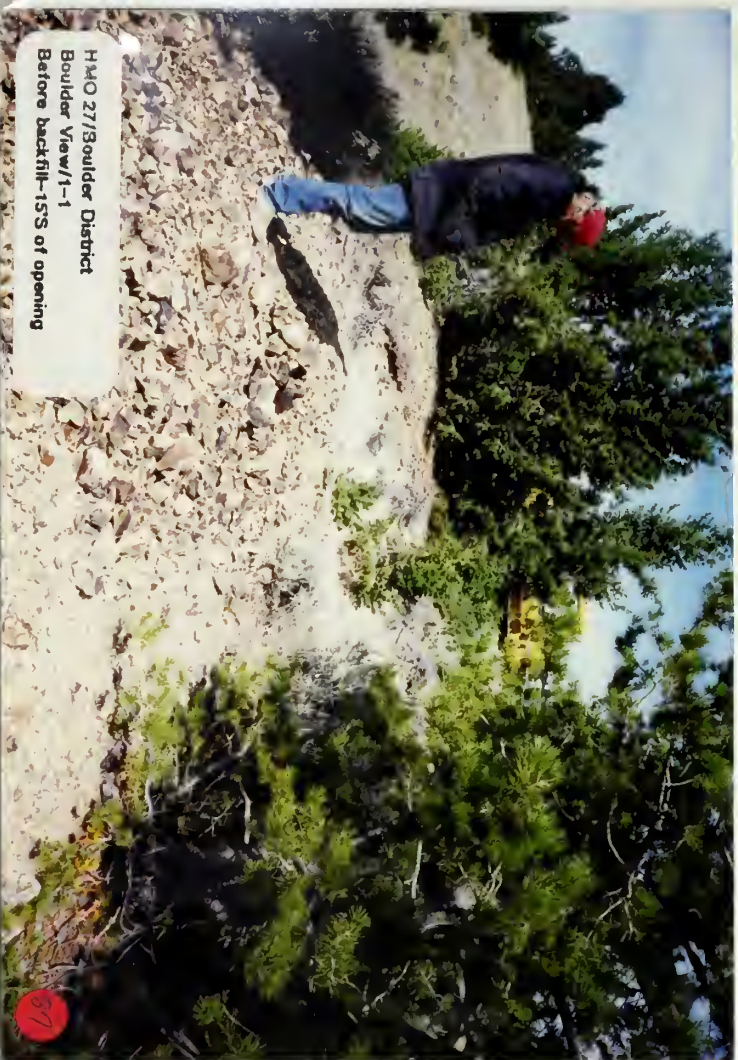
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SEATTLE FILMWORKS  
09.06.02

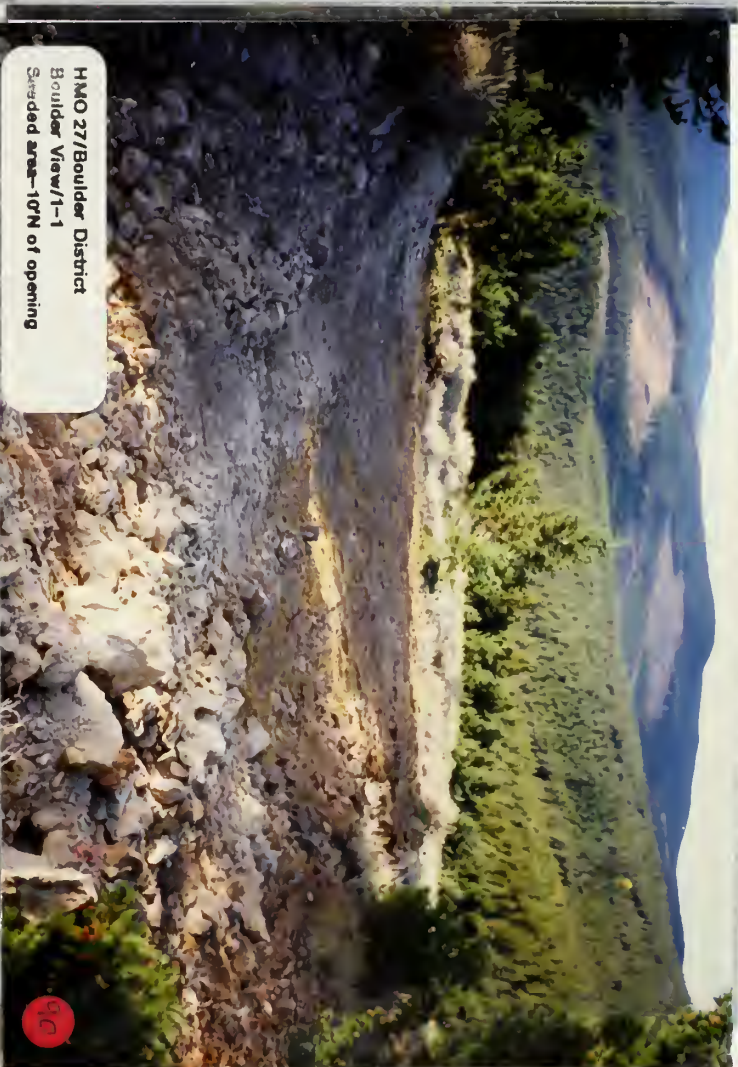
**BOULDER**







HMO 27/Boulder District  
Boulder View/1-1  
Before backfill-15S of opening



HMO 27/Boulder District  
Boulder View/1-1  
Graded area-10N of opening



HMO 27/Boulder District  
Boulder View/1-1  
Backfilling shaft-25S of opening



HMO 27/Boulder District  
Boulder View/1-1  
Backfill complete-20N of opening





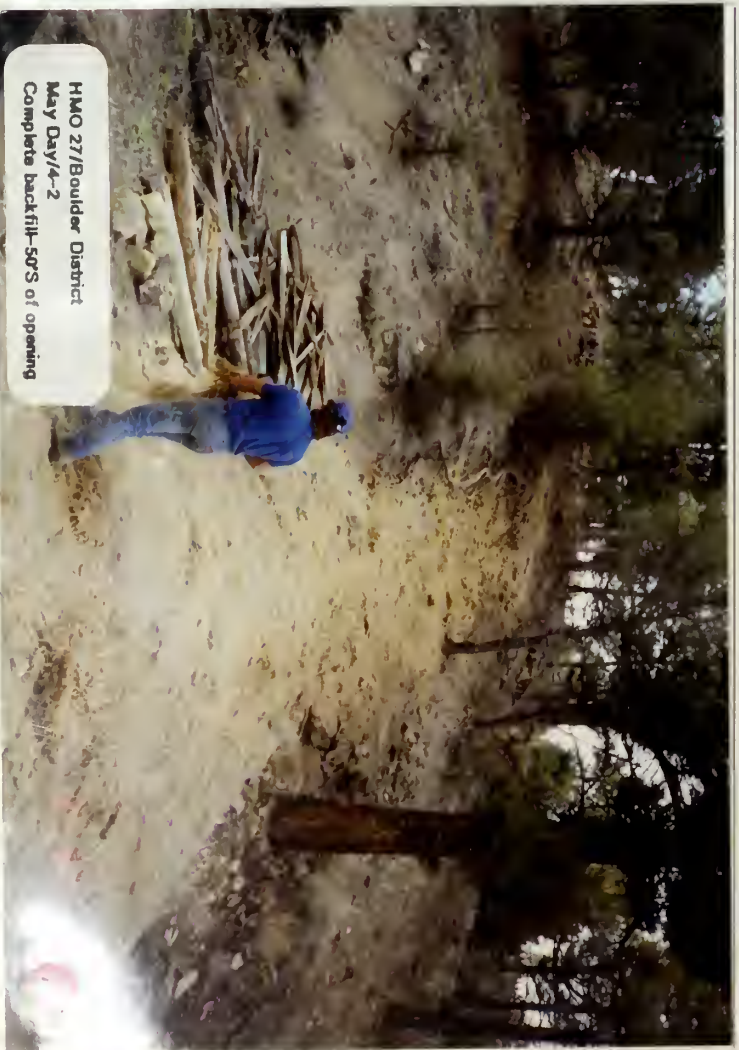
HMO 27/Boulder District  
May Day/4-2  
Before backfill-15S of opening



HMO 27/Boulder District  
NE NW Sec.15/5-3  
Before gate-15N of opening



HMO 27/Boulder District  
May Day/4-2 Backfilling  
adit trench-50S of opening



HMO 27/Boulder District  
May Day/4-2  
Complete backfill-50S of opening





HMO 27/Boulder District  
NE NW Sec.15/5-3  
Installing grate-20' E of opening

45



HMO 27/Boulder District  
NE NW Sec.15/5-4  
Before grate-10' N of opening

48



HMO 27/Boulder District  
NE NW Sec.15/5-3  
Concrete-20' E of opening

46



HMO 27/Boulder District  
NE NW Sec.15/5-3  
Complete grate-20' N of opening

49





HMO 27/Boulder District  
NE NW Sec. 15/5-4  
Installing grate-15E of opening



HMO 27/Boulder District  
NE NW Sec. 15/5-5  
Before culvert-10N of opening



HMO 27/Boulder District  
NE NW Sec. 15/5-4  
Pouring concrete-15E of opening



HMO 27/Boulder District  
NE NW Sec. 15/5-4  
Complete grate-20N of opening





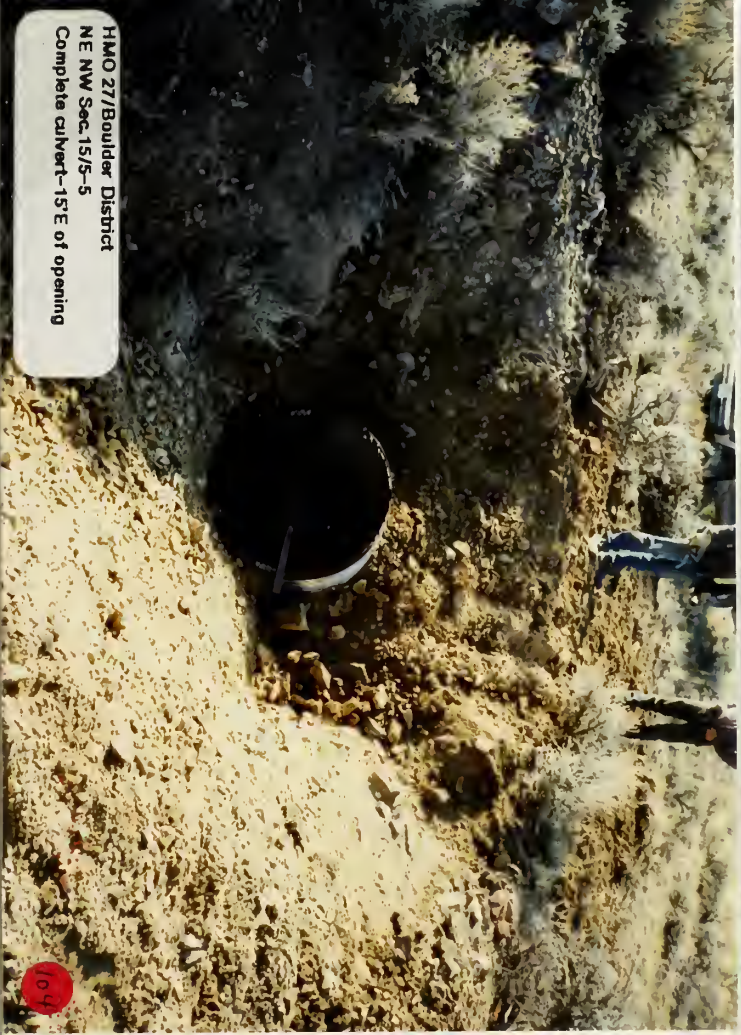
HMO 27/Boulder District  
NE NW Sec. 15/5-5  
Installing culvert-10'E of opening

105



HMO 27/Boulder District  
NE NW Sec. 15/5-8  
Before grating-15'N of opening

106



HMO 27/Boulder District  
NE NW Sec. 15/5-5  
Complete culvert-15'E of opening

104



103

105





HMO 27/Boulder District  
NE NW Sec.15/5-8  
Installing grate-15'E of opening



HMO 27/Boulder District  
NE NW Sec.15/5-8  
Pouring concrete-25'E of opening

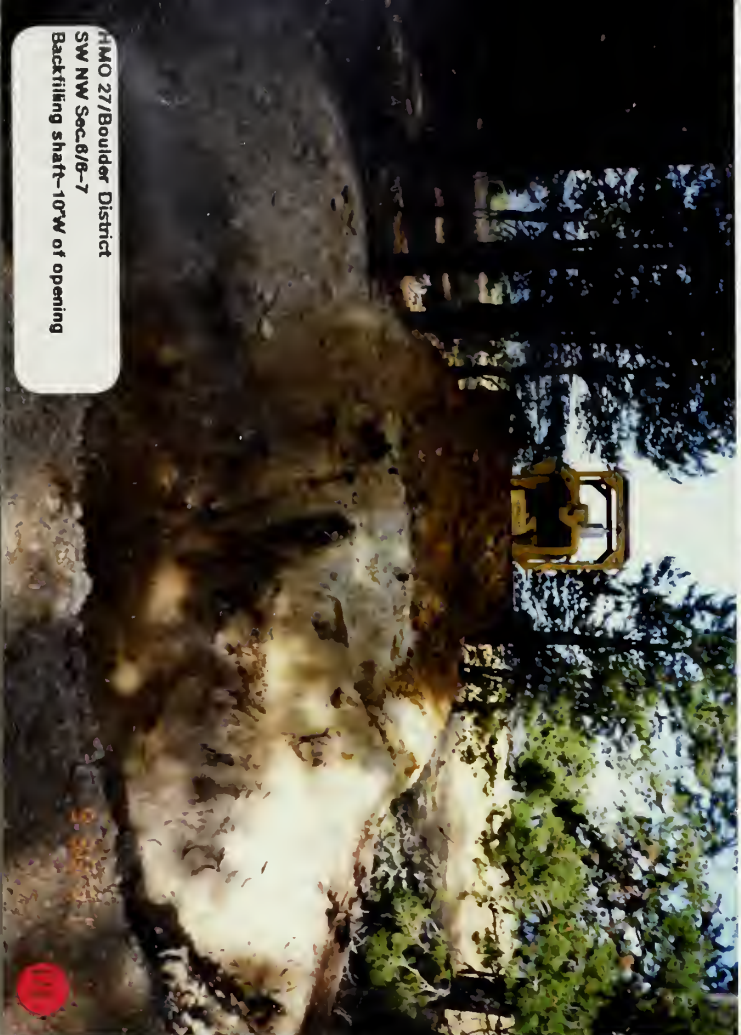


HMO 27/Boulder District  
SW NW Sec.6/8-7  
Before backfill-10'W of opening



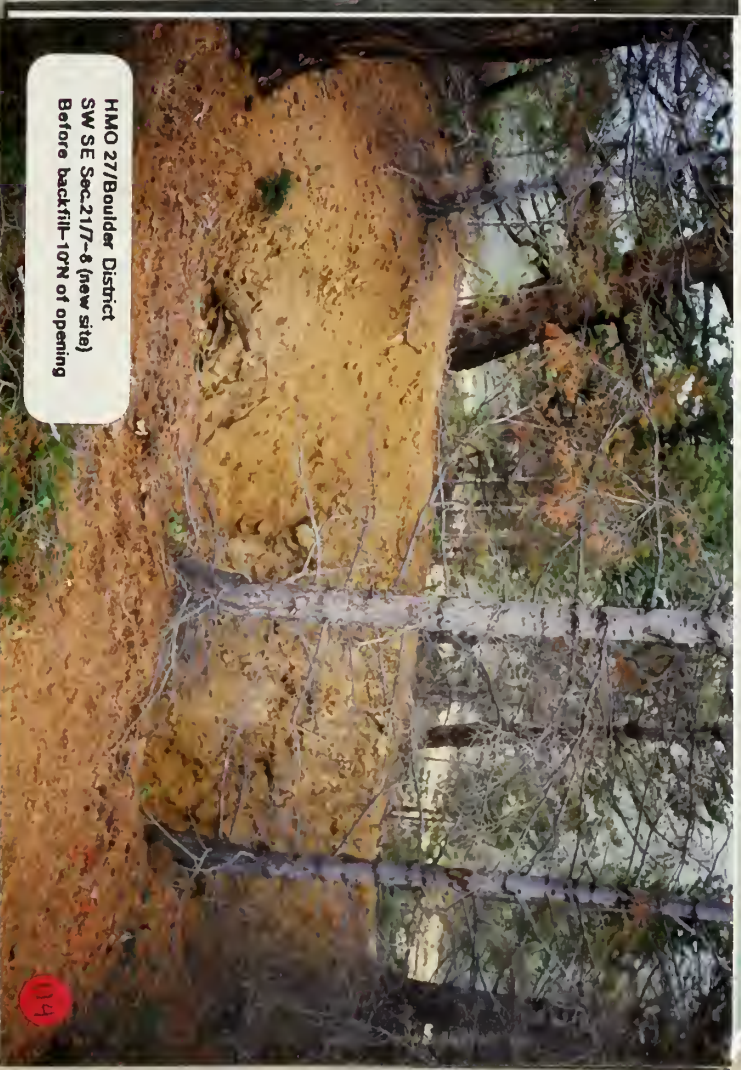
HMO 27/Boulder District  
NE NW Sec.15/5-8  
Complete-15'E of opening





HMO 27/Boulder District  
SW NW Sec.6/8-7  
Backfilling shaft-10'W of opening

110



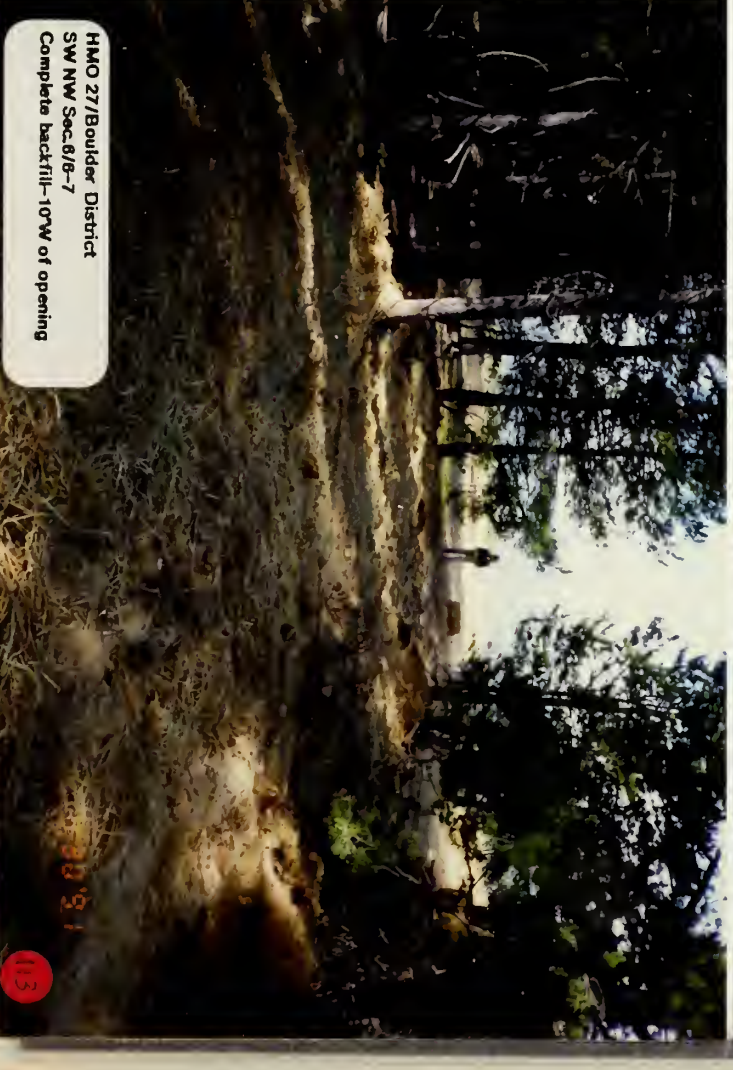
HMO 27/Boulder District  
SW SE Sec.21/7-8 (new site)  
Before backfill-10'N of opening

114



HMO 27/Boulder District  
SW NW Sec.6/8-7  
Backfilling shaft-10'W of opening

110



HMO 27/Boulder District  
SW NW Sec.6/8-7  
Complete backfill-10'W of opening

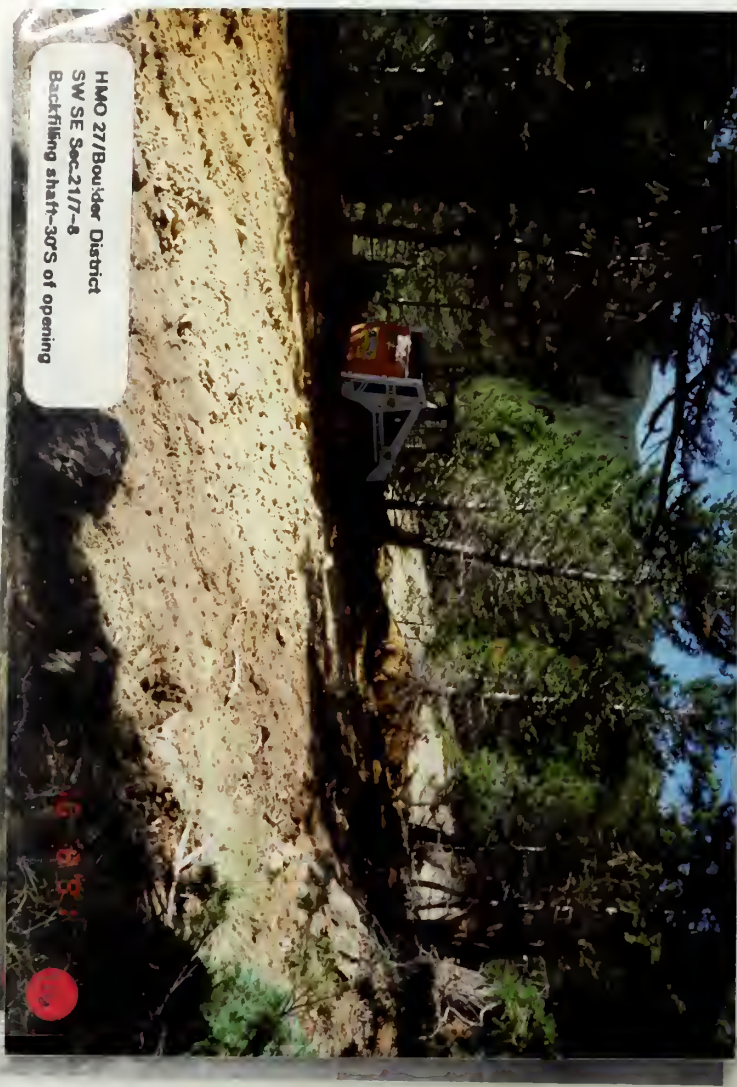
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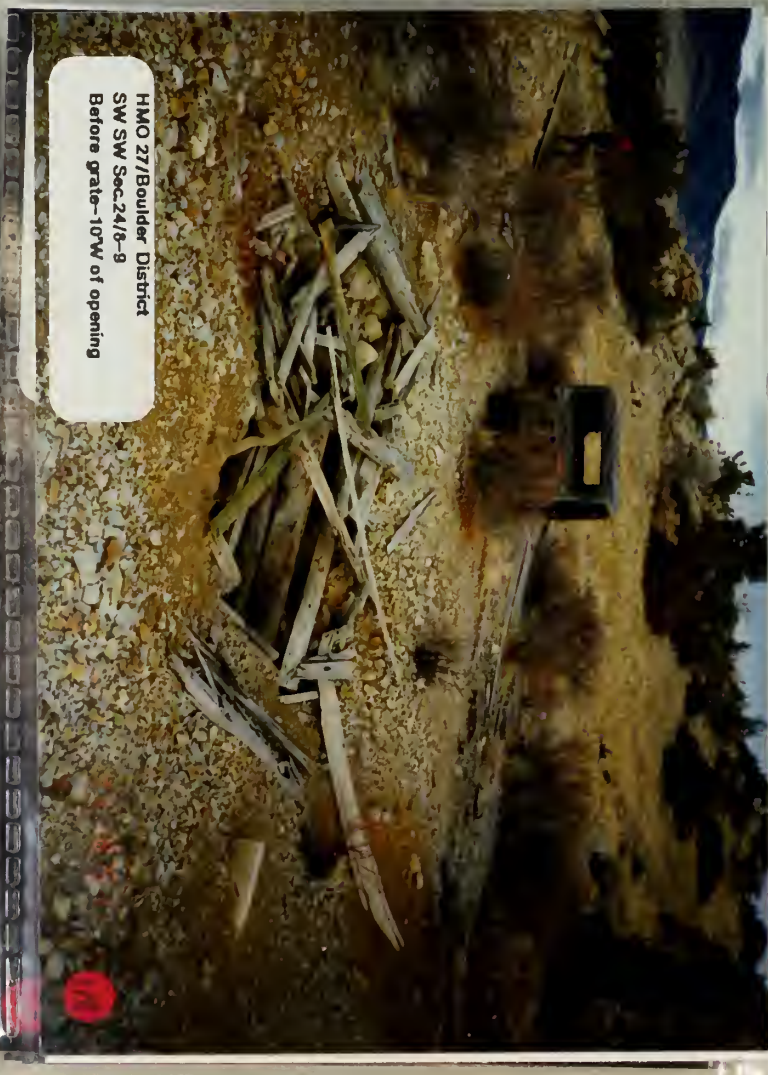
HMO 27/Boulder District  
SW SE Sec.21/7-8  
Backfilling shaft-10'N of opening

6851

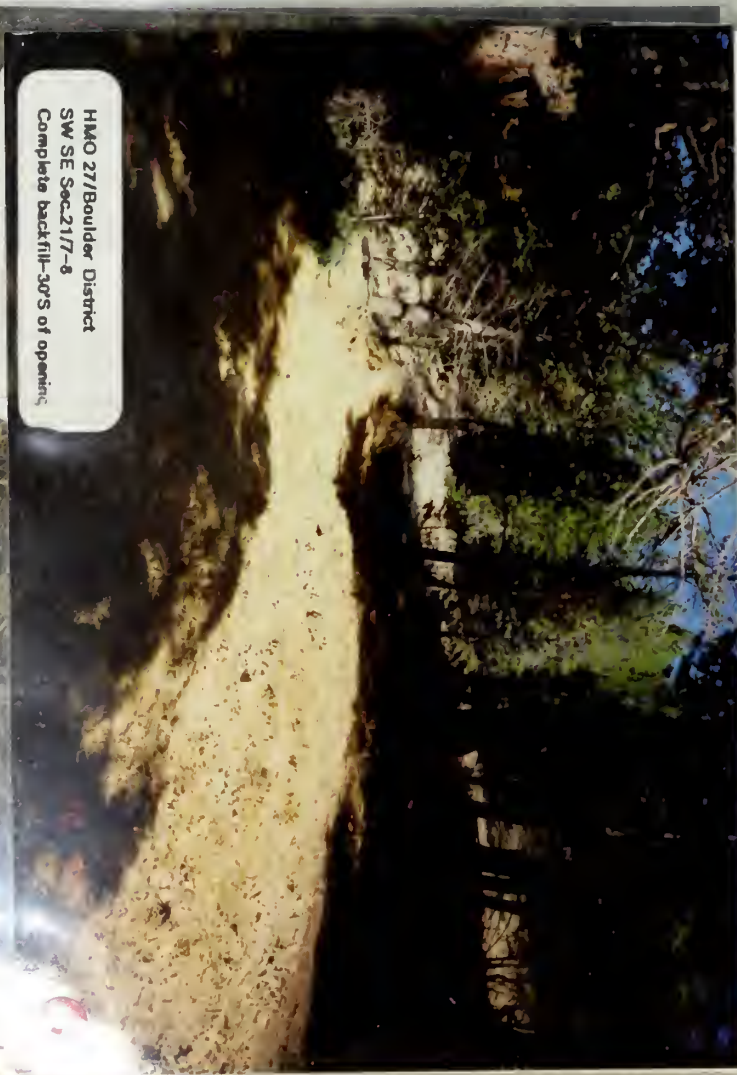


HMO 27/Boulder District  
SW SE Sec.21/7-8  
Backfilling shaft-30'S of opening

6881



HMO 27/Boulder District  
SW SW Sec.24/8-9  
Before grate-10'W of opening



HMO 27/Boulder District  
SW SE Sec.21/7-8  
Complete backfill-30'S of opening







HMO 27/Boulder District  
SW SW Sec.24/8-8  
Installing grate-10'W of opening

121



HMO 27/Boulder District  
SW SW Section 8/9-10  
Packing backfill-20'E of opening

122



HMO 27/Boulder District  
SW SW Sec.24/8-8  
Complete grate-10'W of opening

123



HMO 27/Boulder District  
SW SW Section 8/9-10  
Before-20'E of opening

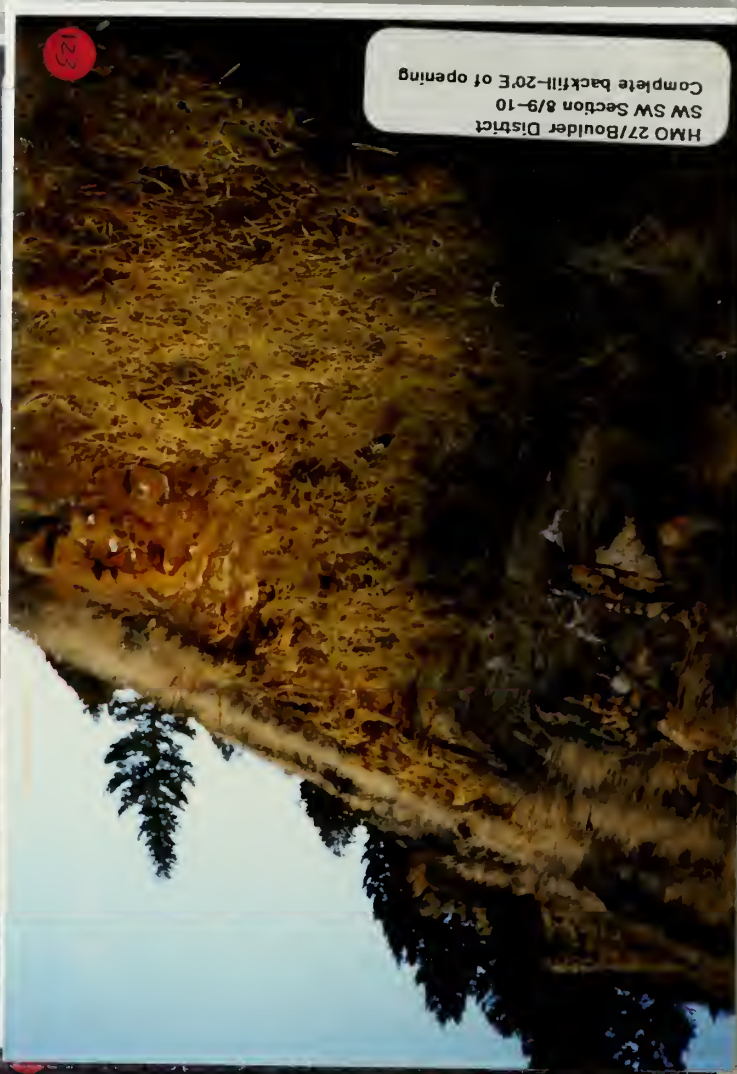
124





HMO 27/Boulder District  
Saur's Claim/10-11  
Complete blast-15N of opening

9:38:13

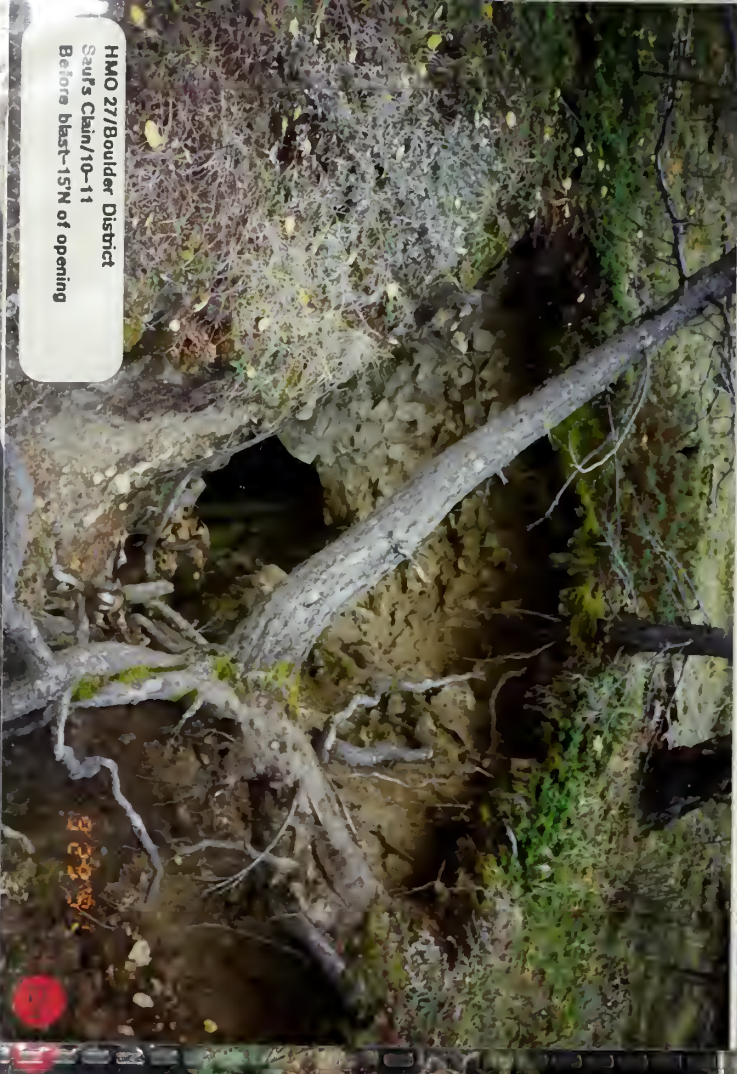


HMO 27/Boulder District  
SW SW Section 8/9-10  
Complete backfill-20'E of opening



HMO 27/Boulder District  
Saur's Claim/10-11  
Blast-15N of opening

9:30:19



HMO 27/Boulder District  
Saur's Claim/10-11  
Before blast-15N of opening

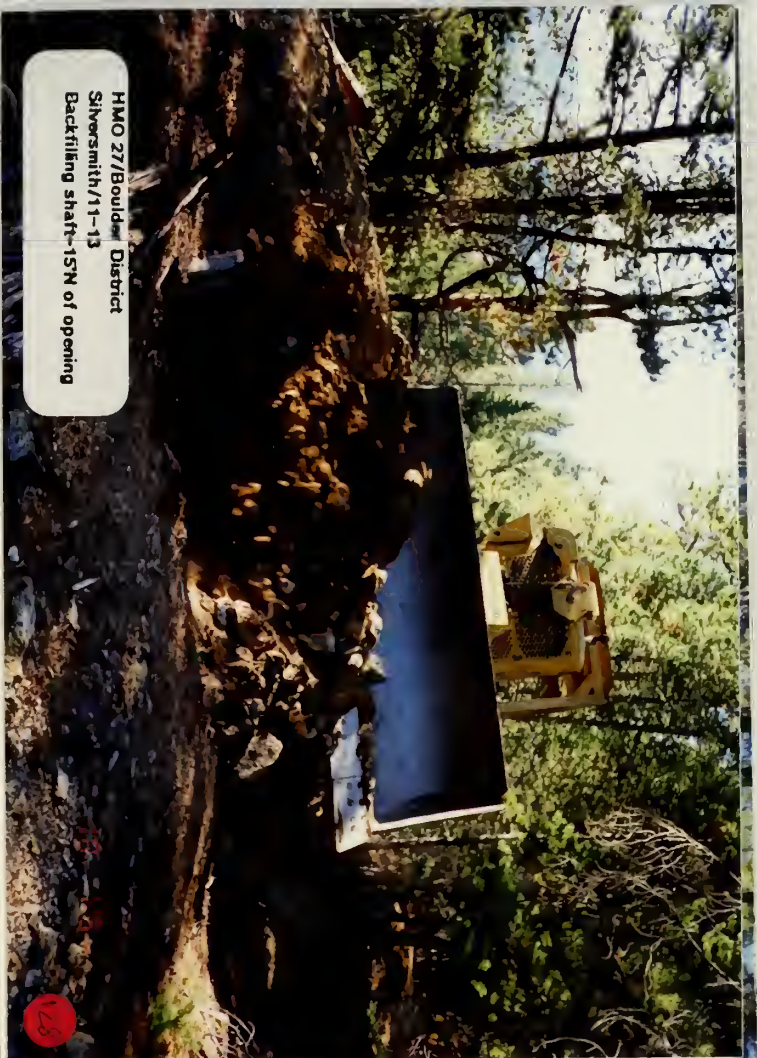
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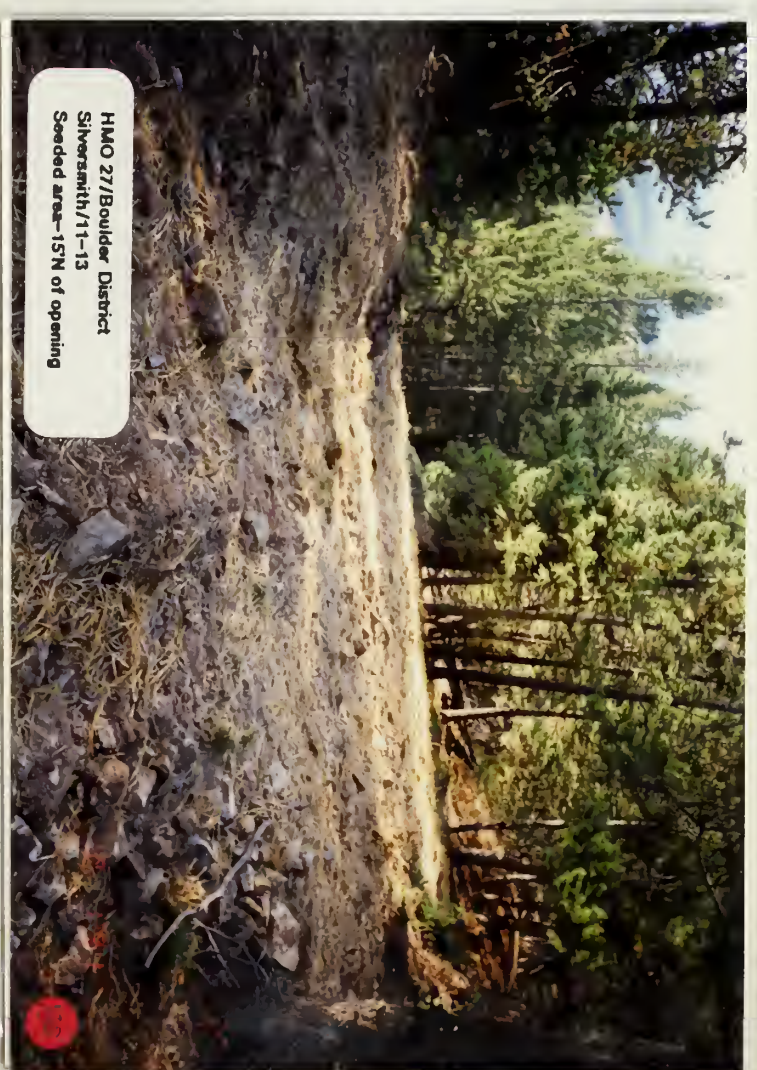




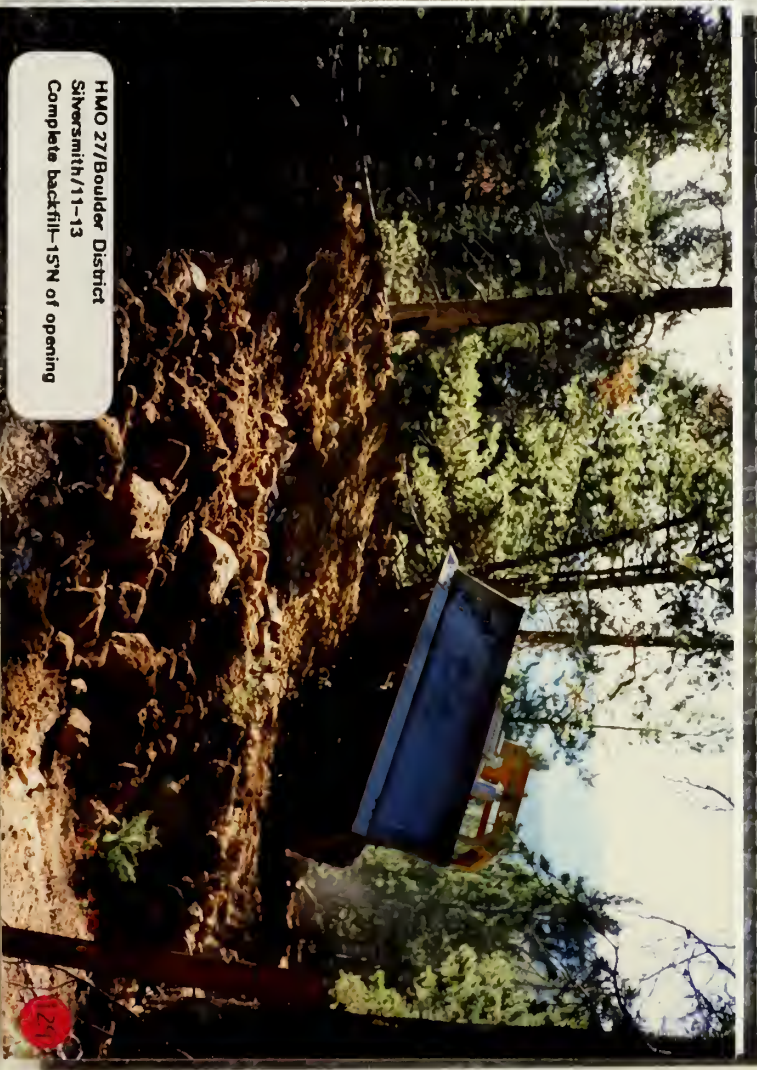
HMO 27/Boulder District  
Siversmith/11-13  
Before backfill-10'NE of opening



HMO 27/Boulder District  
Siversmith/11-13  
Backfilling shaft-15'N of opening

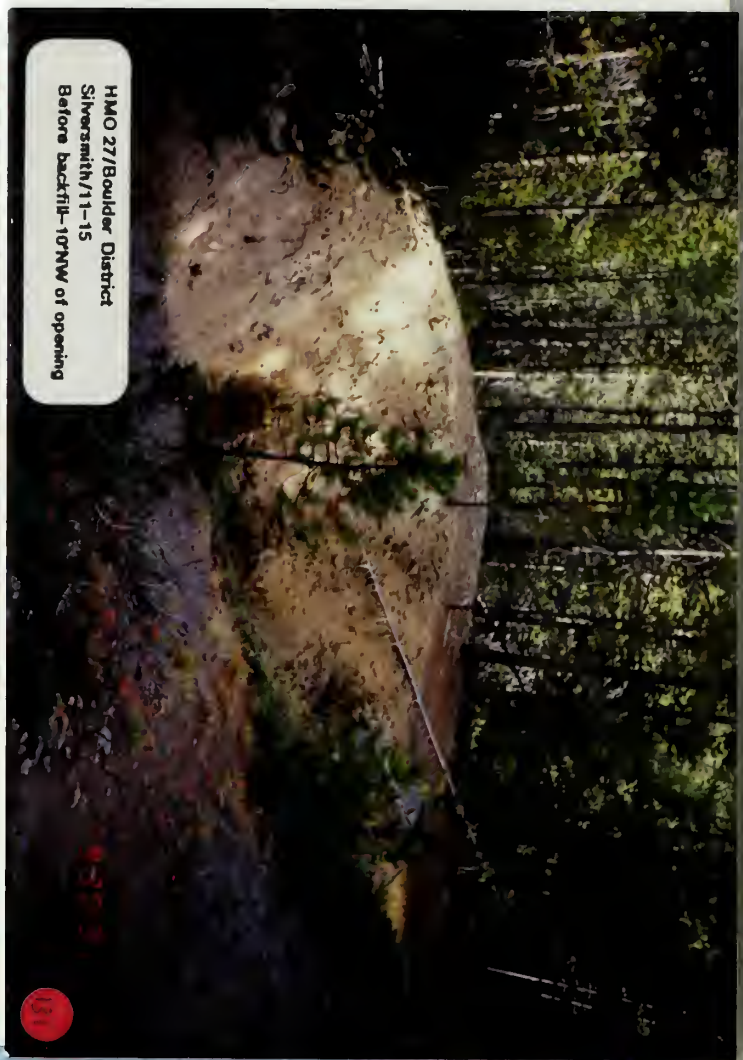


HMO 27/Boulder District  
Siversmith/11-13  
Seeded area-15'N of opening



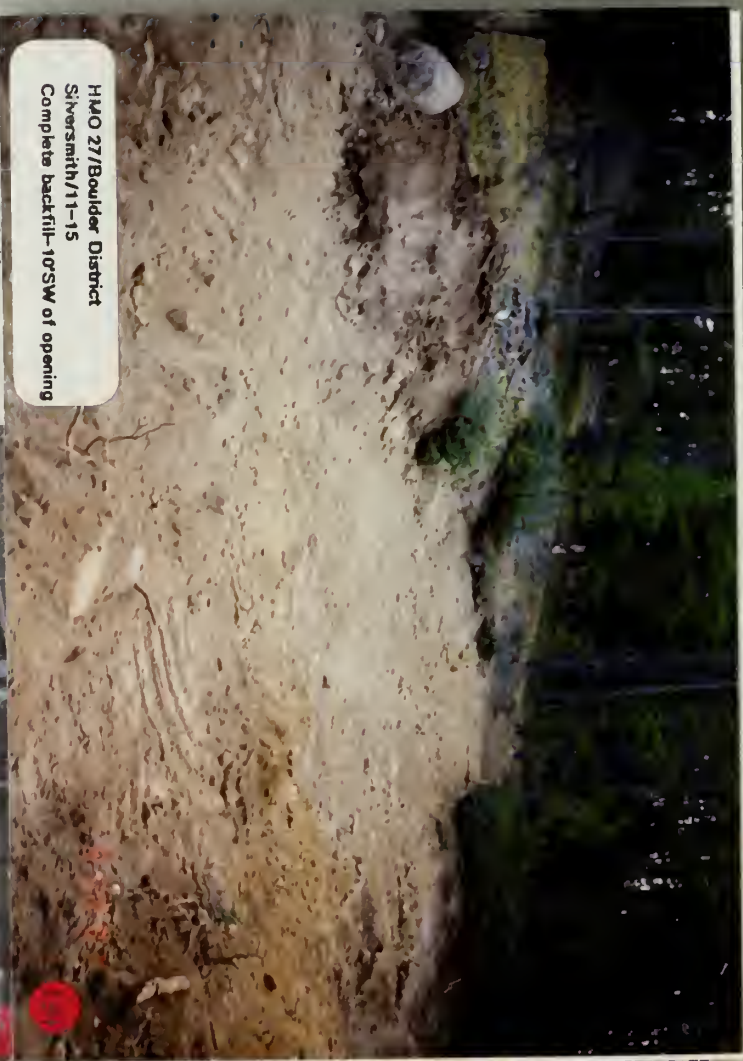
HMO 27/Boulder District  
Siversmith/11-13  
Complete backfill-15'N of opening





HMO 27/Boulder District  
Siversmith/11-15  
Before backfill-10'NW of opening

151



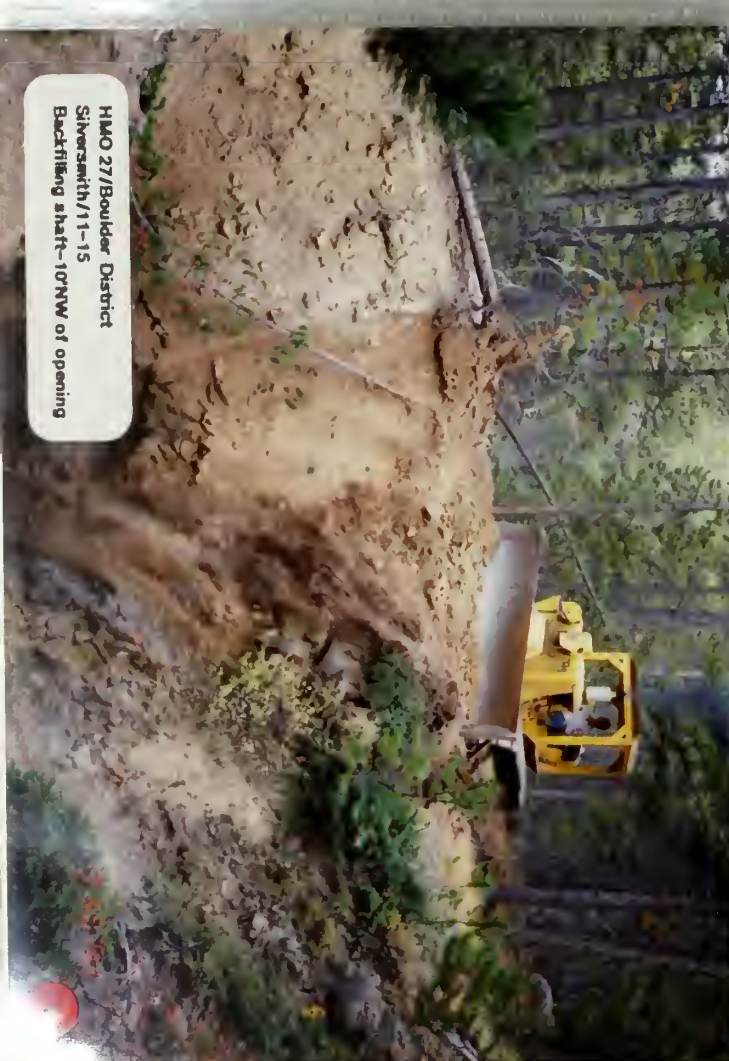
HMO 27/Boulder District  
Siversmith/11-15  
Complete backfill-10'SW of opening

152



HMO 27/Boulder District  
Siversmith  
Stuck Cat

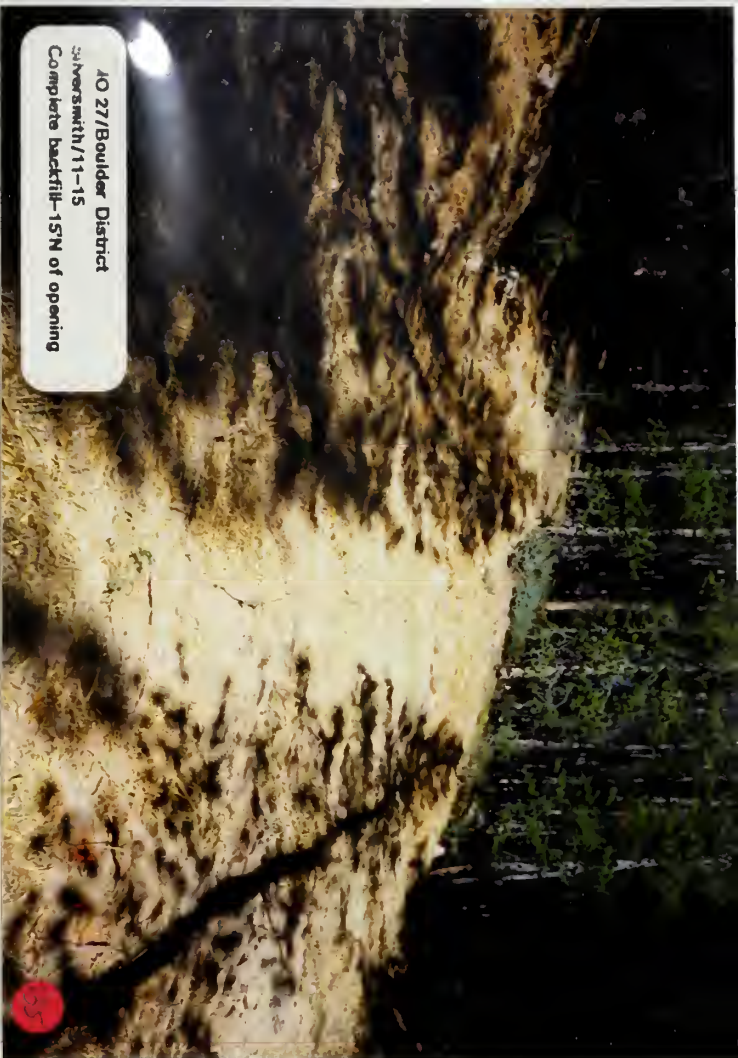
153



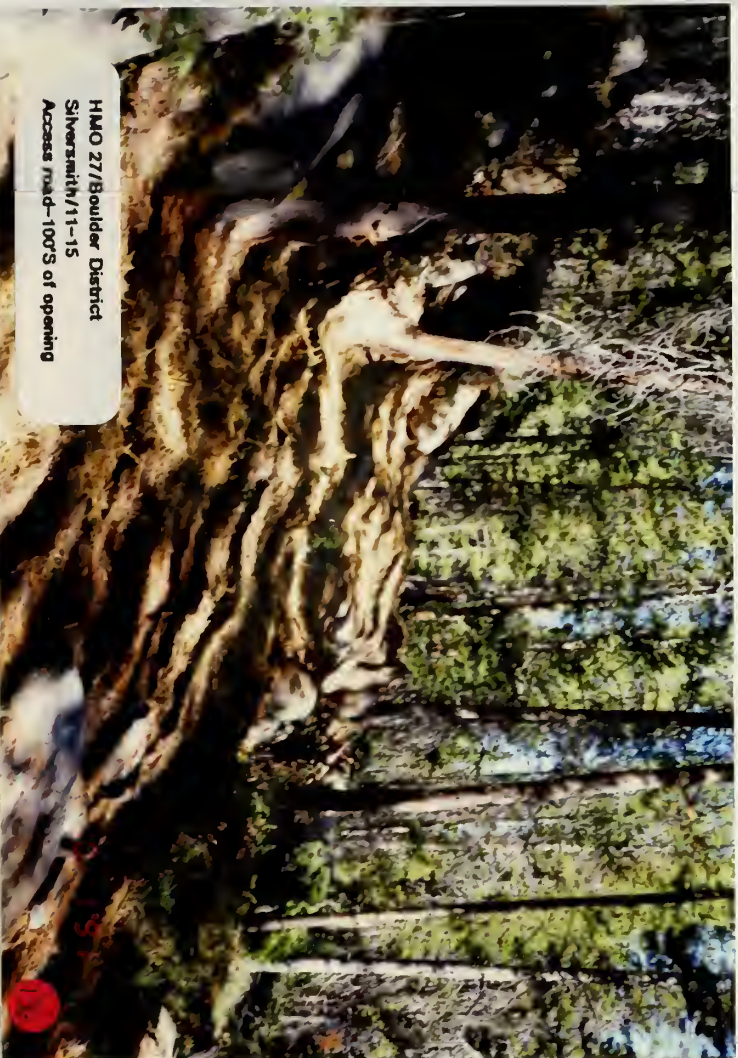
HMO 27/Boulder District  
Siversmith/11-15  
Backfilling shaft-10'NW of opening

154





JO 27/Boulder District  
Siversmith/11-15  
Complete backfill-15N of opening



HMO 27/Boulder District  
Siversmith/11-15  
Access road-100'S of opening



HMO 27/Boulder District  
Siversmith  
Stuck Cat again



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H140 27/Boulder District  
SilverSmith/1-15  
Backfilling shaft-10'NW of opening

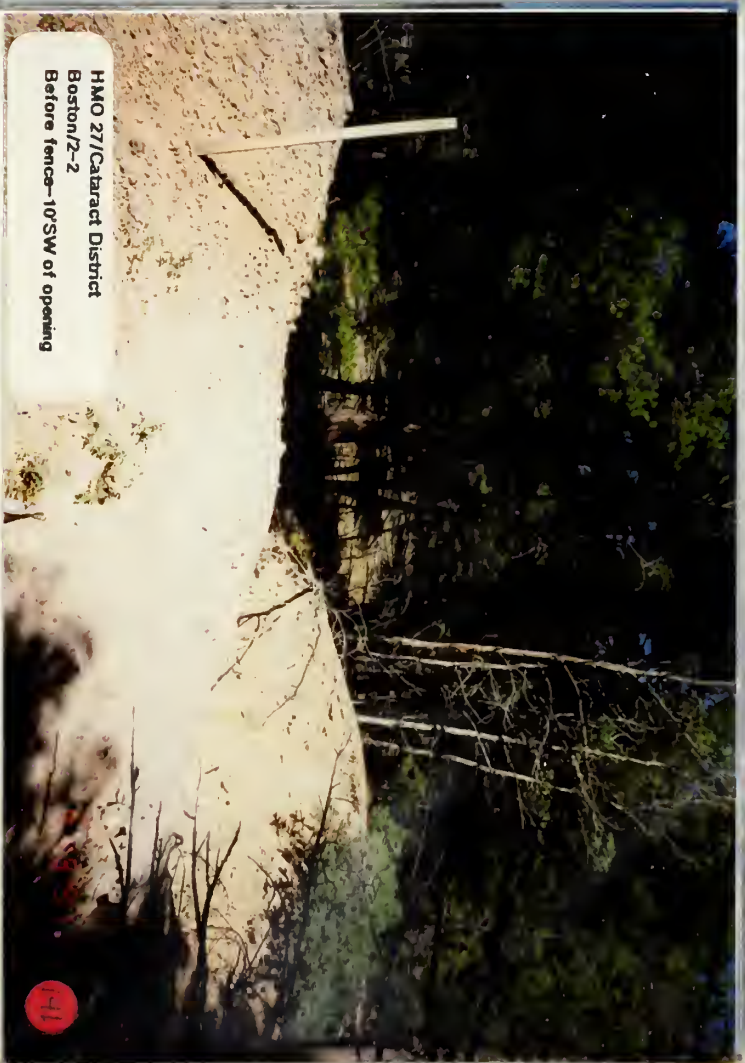


CATARACT







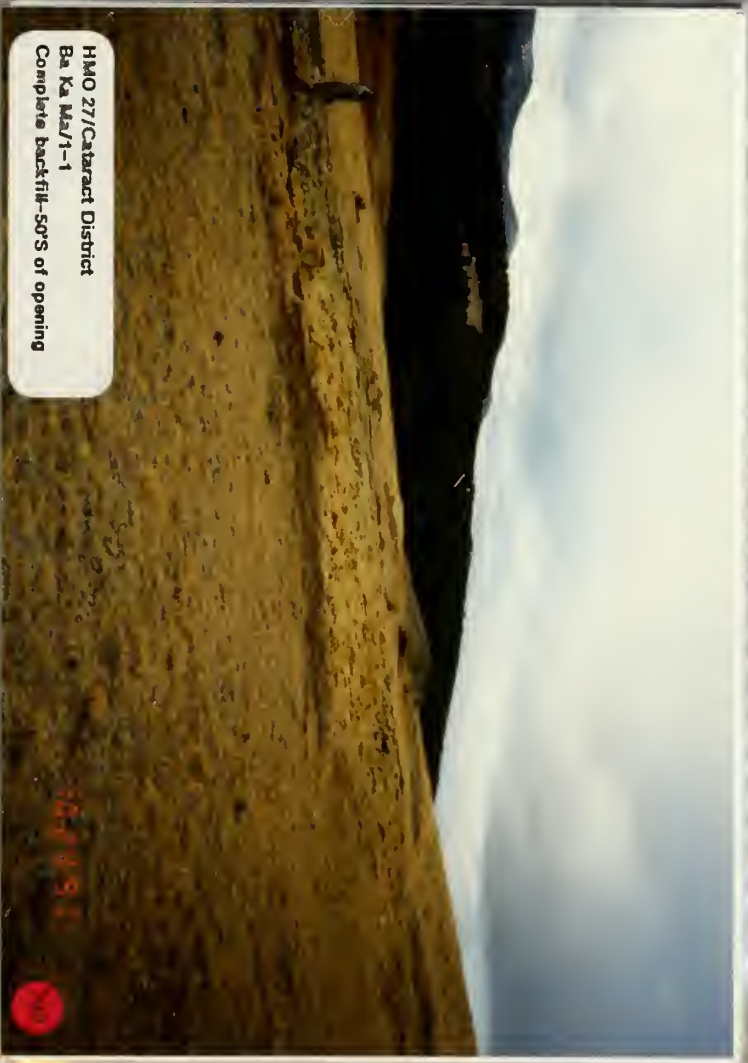


HMO 27/Cattract District  
Boston/2-2  
Before fence-10/SW of opening

141



HMO 27/Cattract District  
Ba Ka Ma/1-1  
Backfilling shaft-30/E of opening



HMO 27/Cattract District  
Ba Ka Ma/1-1  
Complete backfill-50/S of opening

142

143





HMO 27/Cataract District  
Boston/2-2  
Installing fence-20'W of opening



HMO 27/Cataract District  
Boston/2-2  
Installing fence-20'W of opening



HMO 27/Cataract District  
Boulder Chief/3-3  
Installing fence-50'S of opening

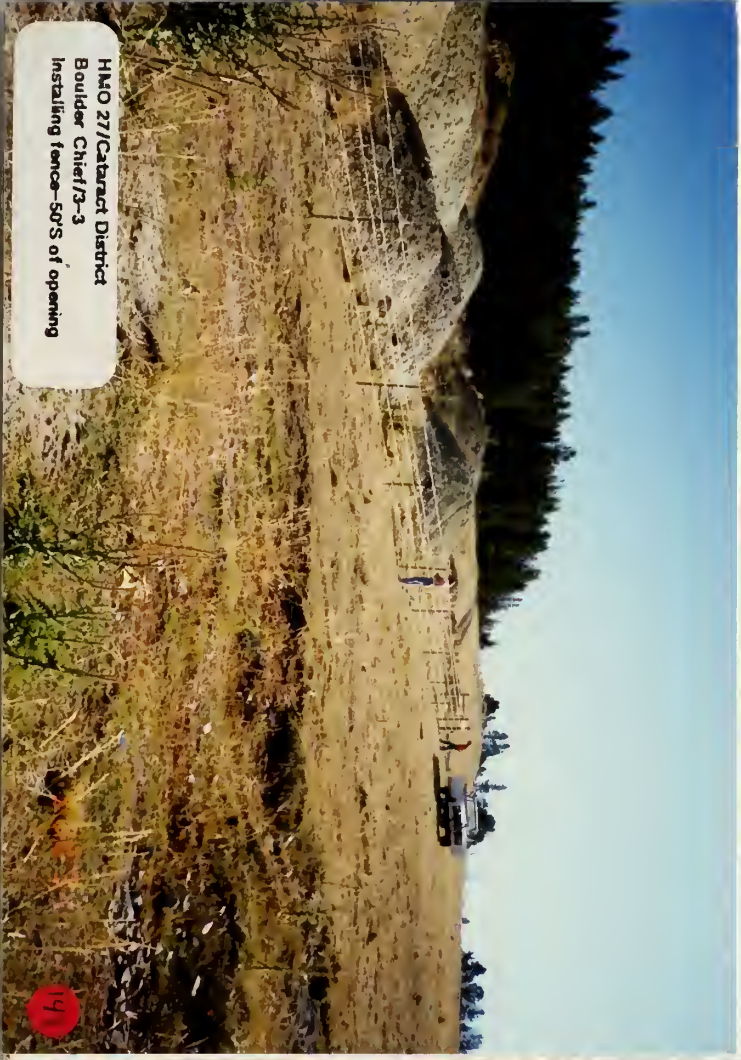


HMO 27/Cataract District  
Boulder Chief/3-3  
Before fence-50'W of opening

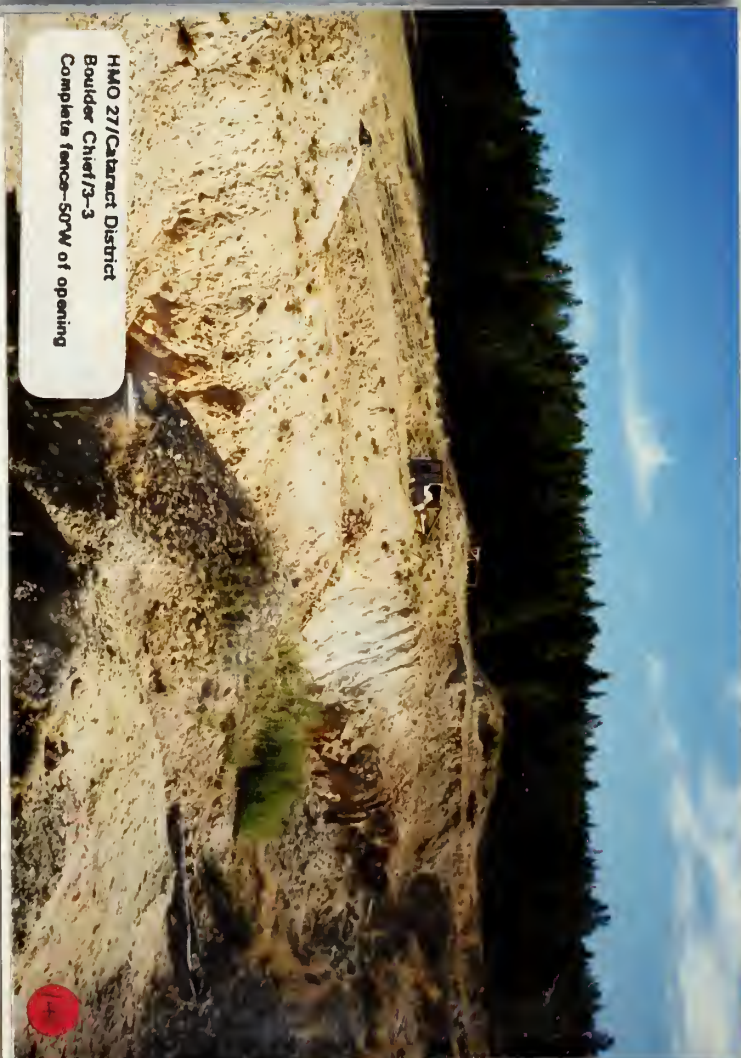




HMO 27/Cataraugus District  
Boulder Chief/3-3  
Installing fence-50'E of opening



HMO 27/Cataraugus District  
Boulder Chief/3-3  
Installing fence-50'S of opening

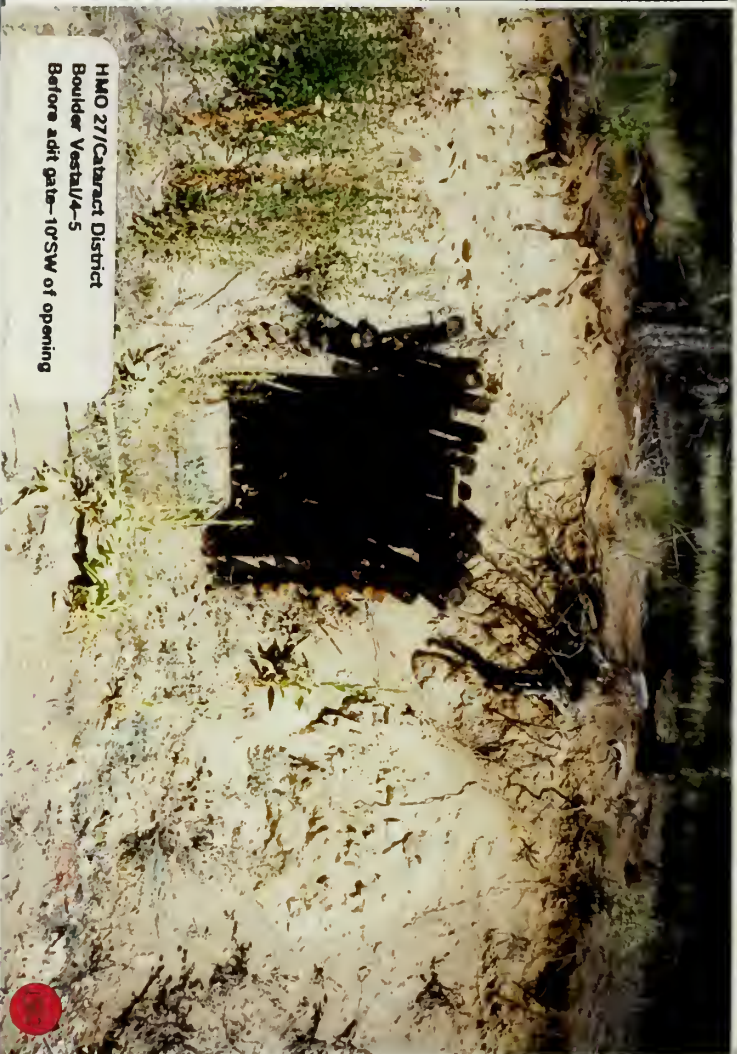


HMO 27/Cataraugus District  
Boulder Chief/3-3  
Complete fence-50'W of opening

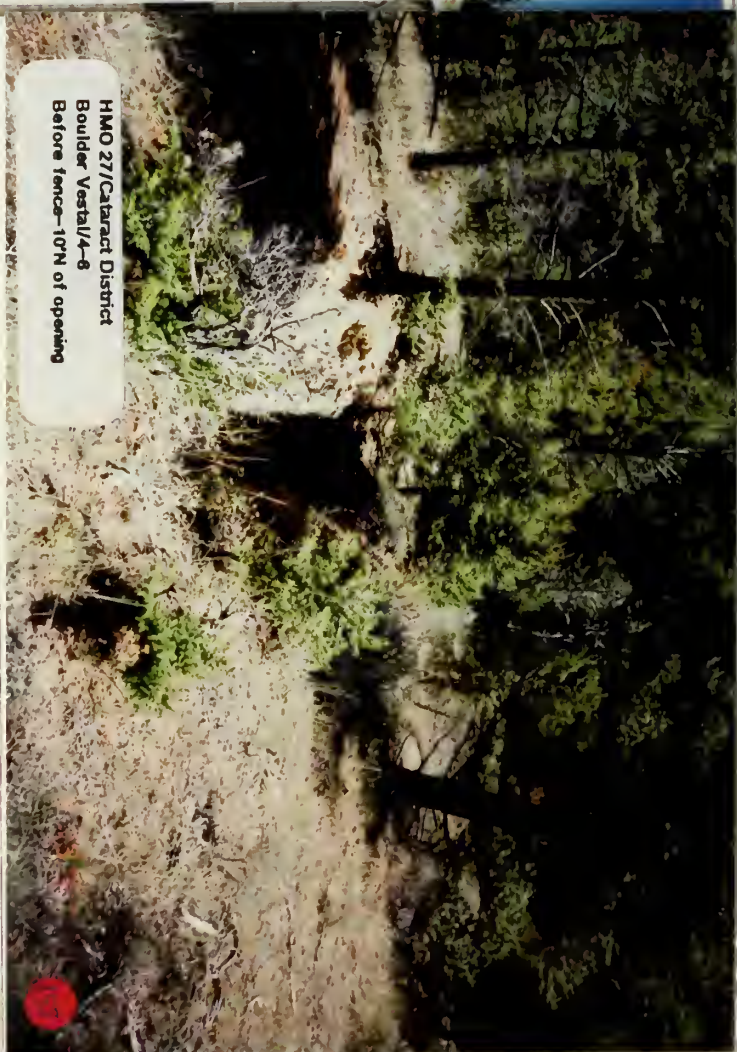


HMO 27/Cataraugus District  
Boulder Chief/3-3  
Complete fence-50'W of opening





HMO 27/Cattract District  
Boulder Vestal/4-5  
Before adit gate-10°SW of opening



HMO 27/Cattract District  
Boulder Vestal/4-8  
Before fence-10°N of opening



HMO 27/Cattract District  
Boulder Vestal/4-5  
Installing culvert-10°W of opening



HMO 27/Cattract District  
Boulder Vestal/4-5  
Seeded area-10°W of opening

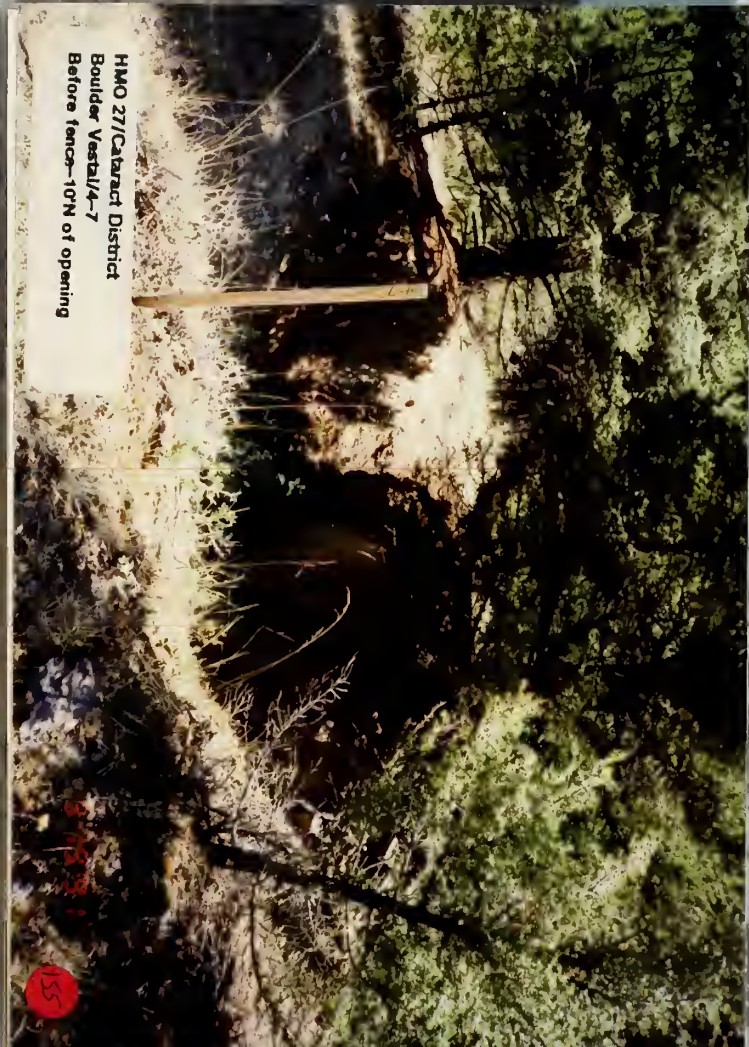






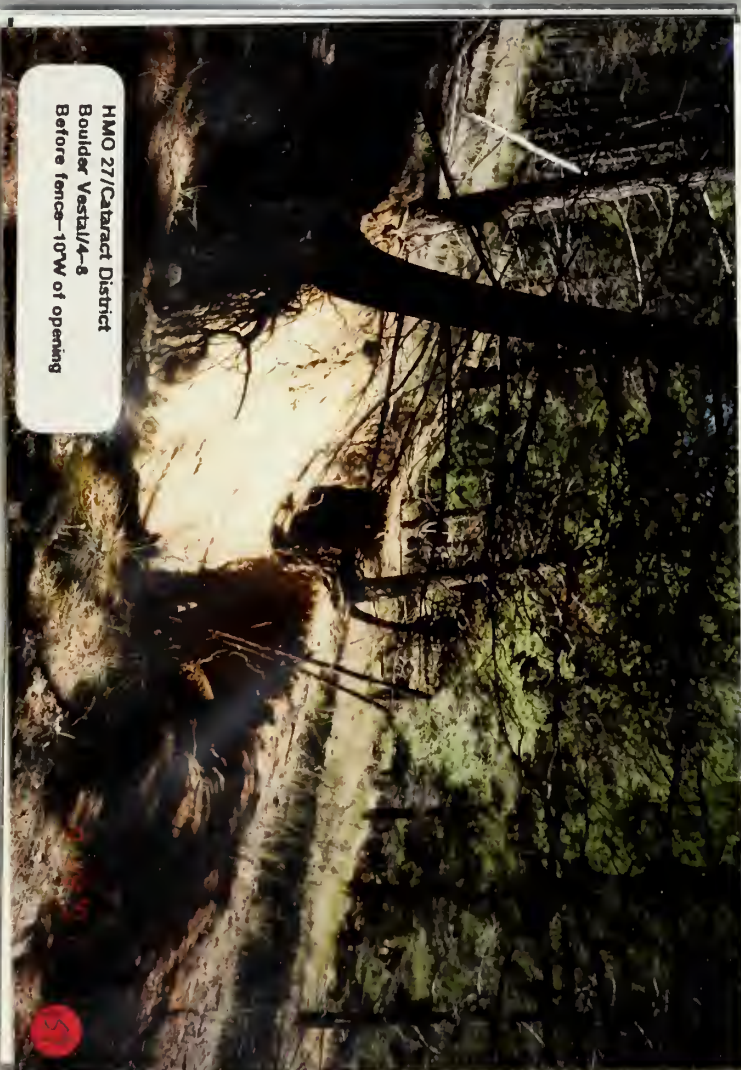
HMO 27/Cattract District  
Boulder Vestal/4-8  
Complete fence-25N of opening

154



HMO 27/Cattract District  
Boulder Vestal/4-7  
Before fence-10N of opening

155



HMO 27/Cattract District  
Boulder Vestal/4-8  
Before fence-10W of opening

156



HMO 27/Cattract District  
Boulder Vestal/4-7  
Complete fence-15N of opening

157





HMO 27/Cataraact District  
Boulder Vestal/4-6  
Complete fence-10'S of opening



HMO 27/Cataraact District  
Boulder Vestal/4-9  
Before culvert-10'S of opening



HMO 27/Cataraact District  
Boulder Vestal/4-9  
Complete culvert-15'S of opening

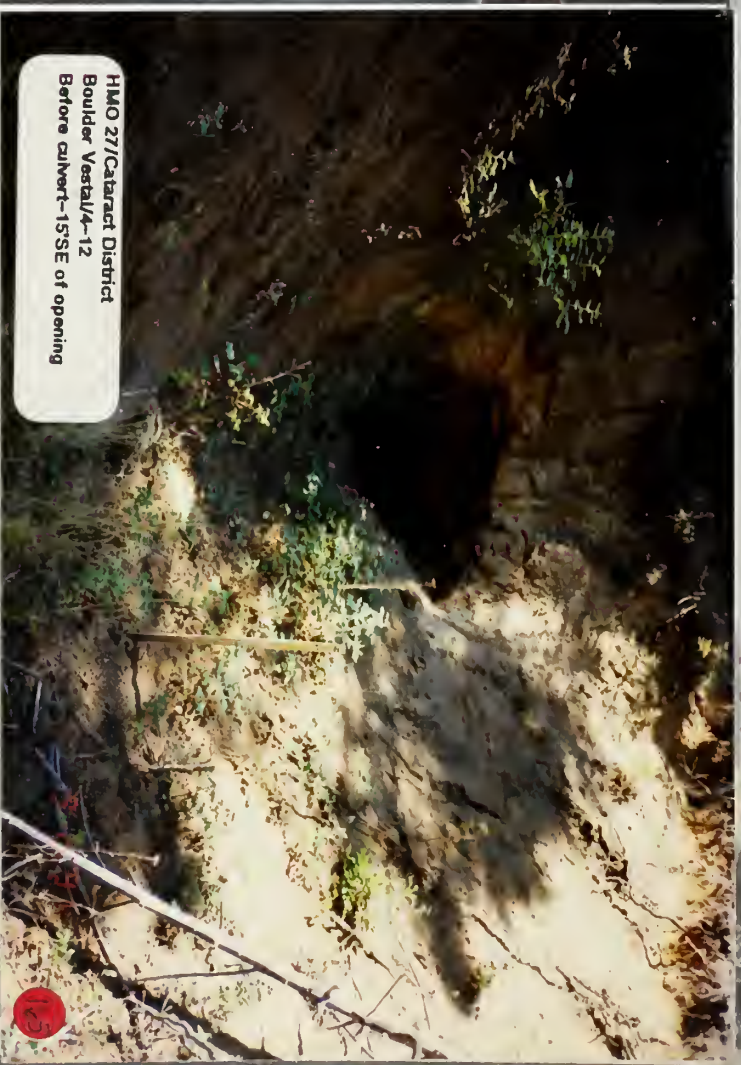


AO 27/Cataraact District  
Boulder Vestal/4-9  
installing culvert-20'S of opening

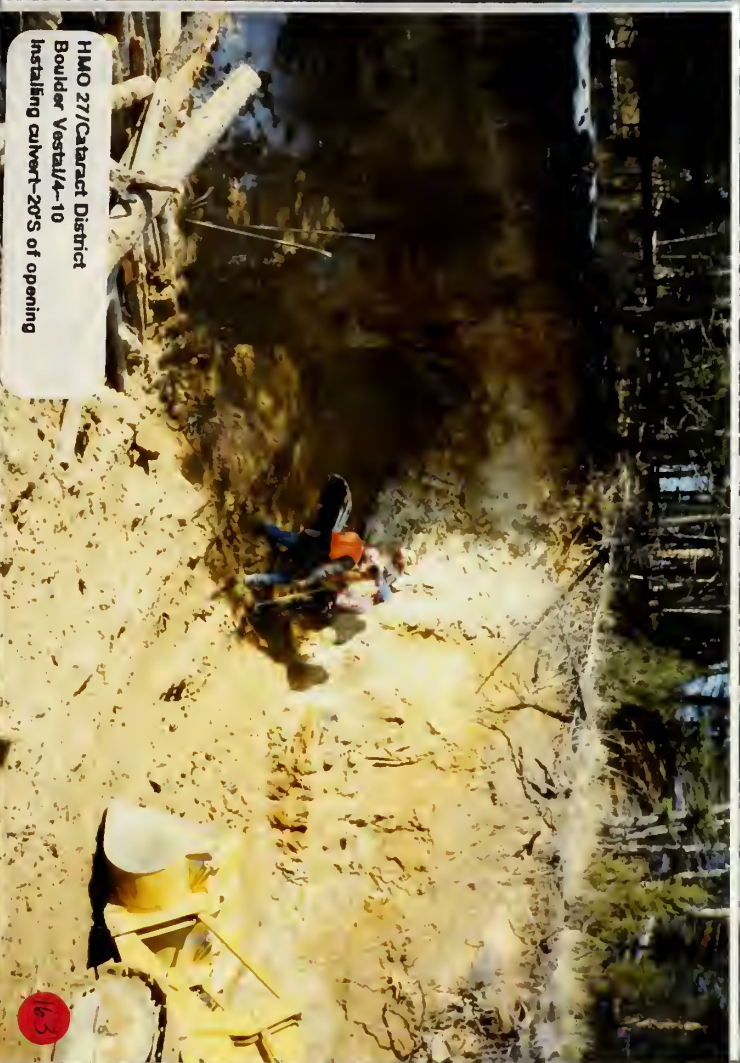




HMO 27/Cattract District  
Boulder Vestal/4-10  
Before adit gate-10'SE of opening



HMO 27/Cattract District  
Boulder Vestal/4-12  
Before culvert-15'SE of opening



HMO 27/Cattract District  
Boulder Vestal/4-10  
Installing culvert-20'S of opening



HMO 27/Cattract District  
Boulder Vestal/4-10  
Complete culvert-15'S of opening





HMO 27/Catract District  
Boulder Vestal/4-12  
Installing culvert-15SSW of opening

106

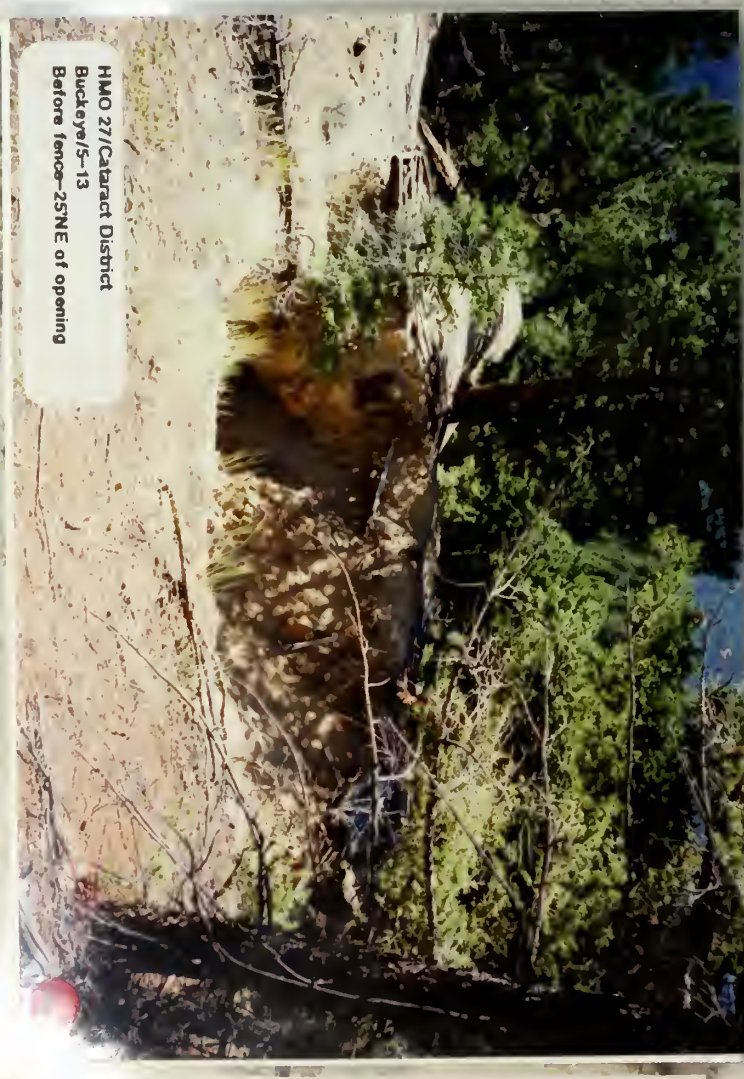


HMO 27/Catract District  
Boulder Vestal/4-12  
Seeded area-15S of opening



HMO 27/Catract District  
Buckeye/5-13  
Complete fence-30'N of opening

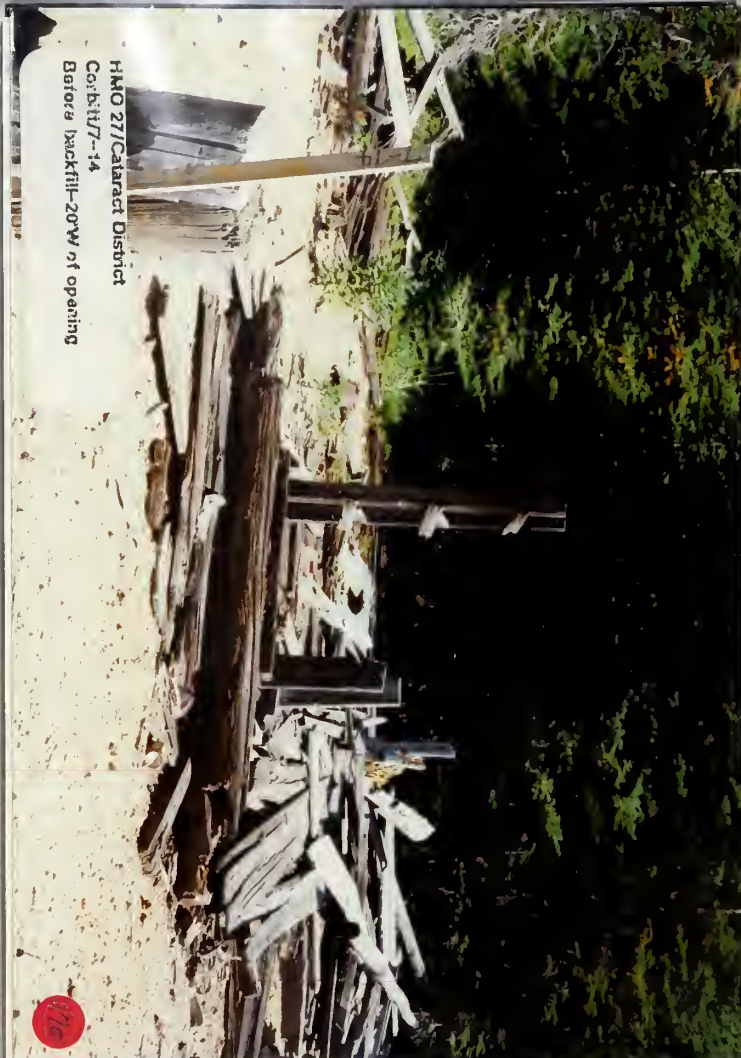
109



HMO 27/Catract District  
Buckeye/5-13  
Before fence-25'NE of opening

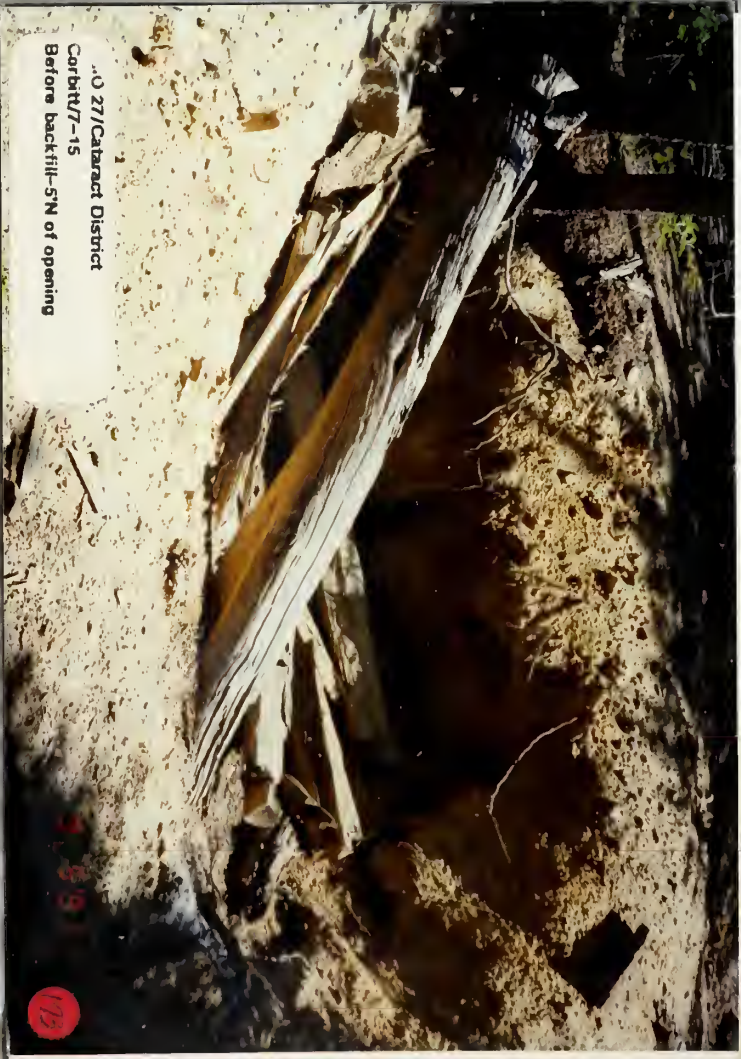
110





HMO 27/Catawact District  
Corbit7-14  
Before backfill-20'W of opening

119c



HMO 27/Catawact District  
Corbit7-15  
Before backfill-5'N of opening

119



HMO 27/Catawact District  
Corbit7-14  
Backfilling shaft-15'N of opening

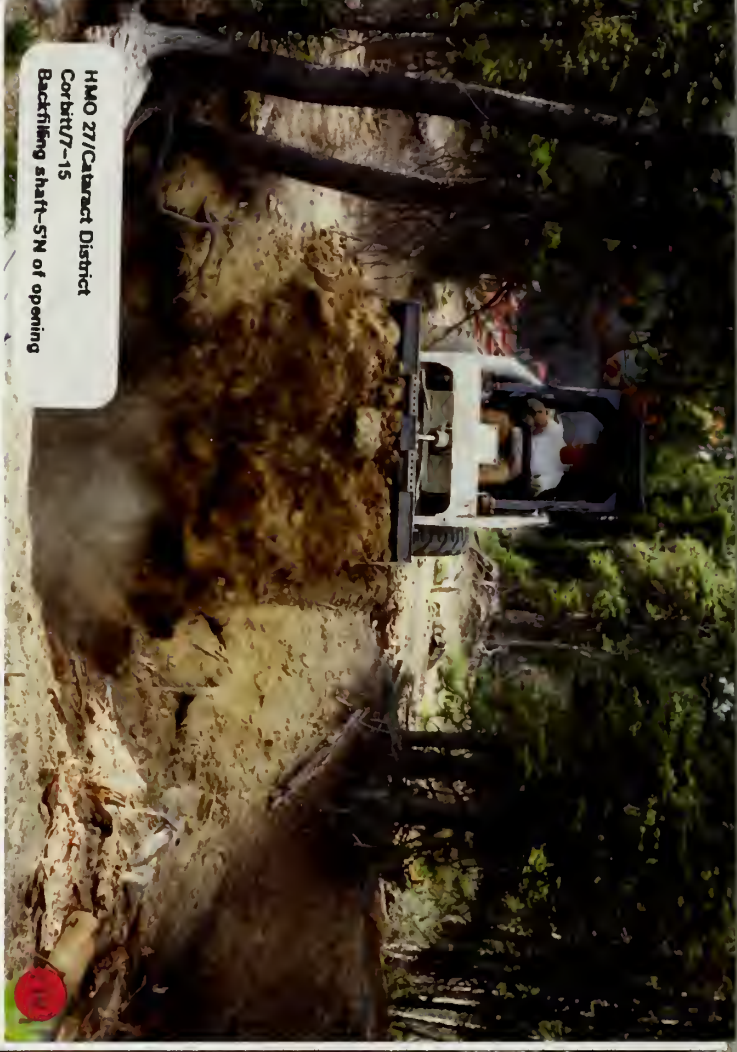
117



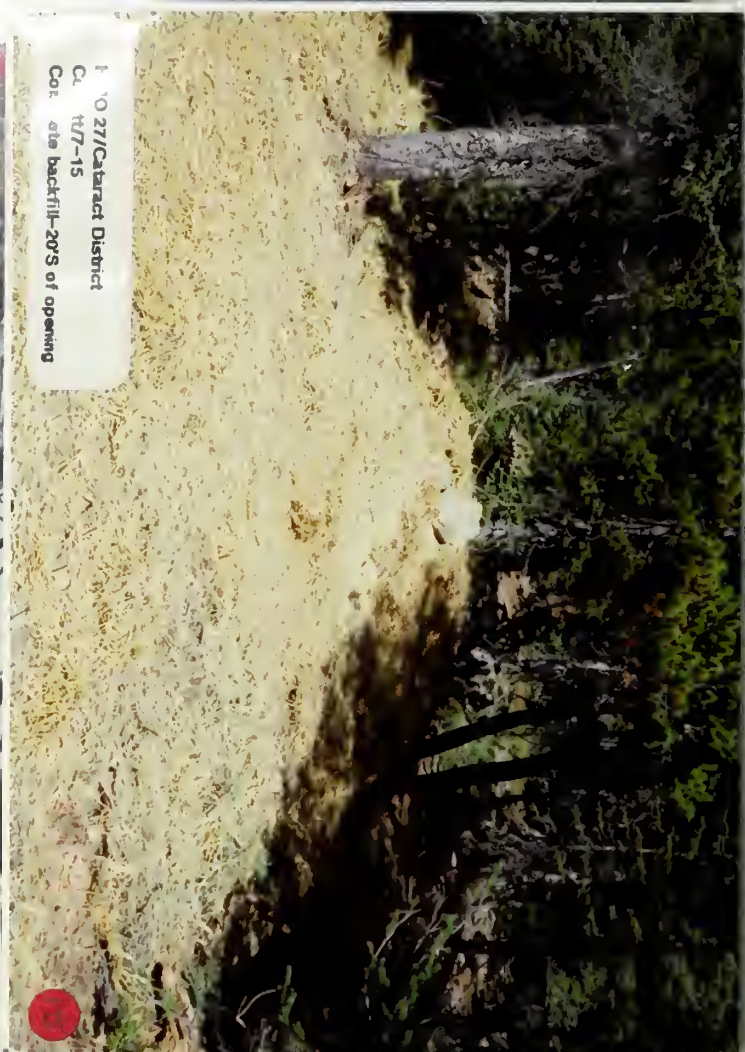
HMO 27/Catawact District  
Corbit7-14  
Complete backfill-15'N of opening

112

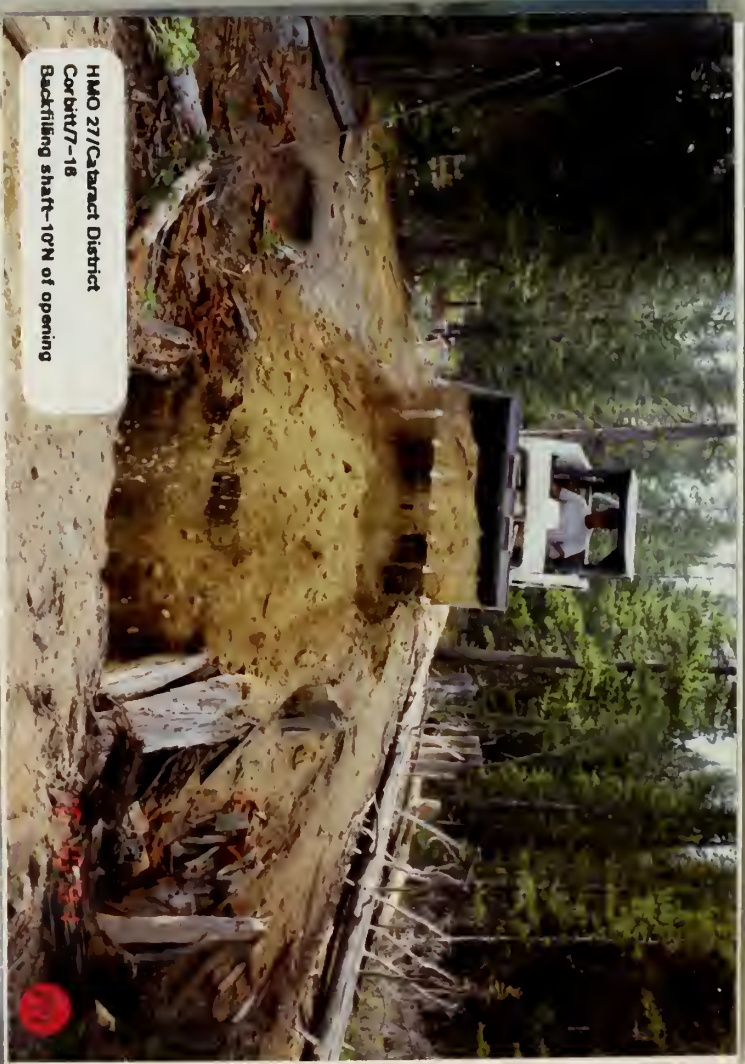




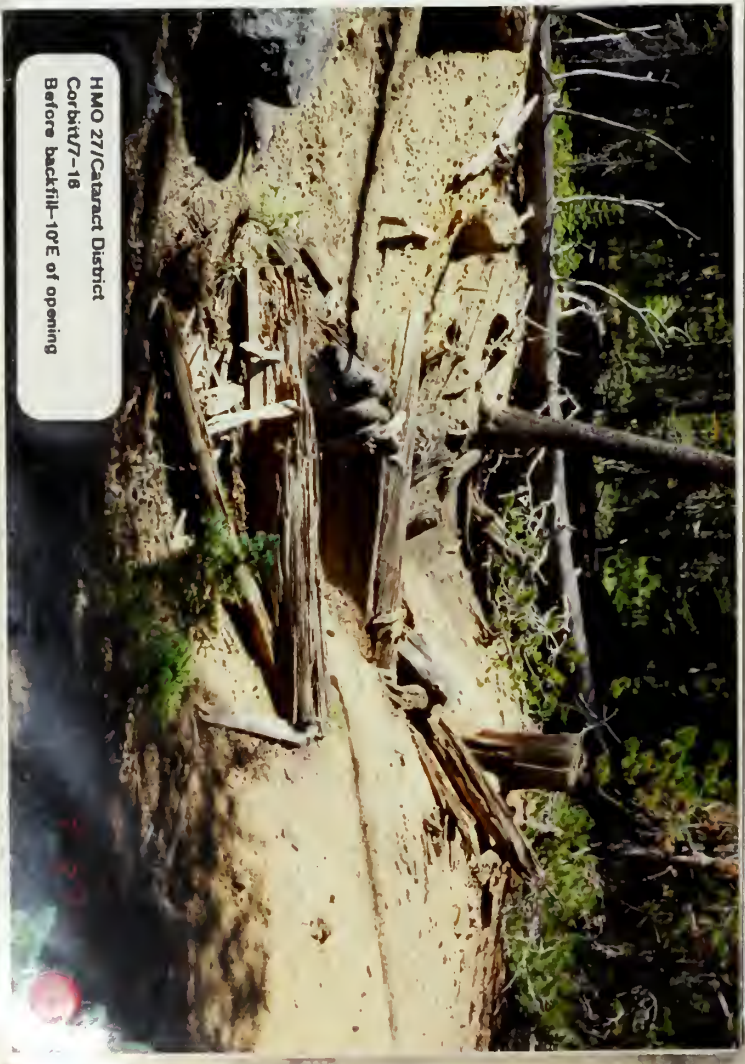
HMO 27/Catawact District  
Corbit/7-15  
Backfilling shaft-5N of opening



HMO 27/Catawact District  
Corbit/7-15  
Before backfill-20S of opening



HMO 27/Catawact District  
Corbit/7-16  
Backfilling shaft-10N of opening



HMO 27/Catawact District  
Corbit/7-16  
Before backfill-10E of opening





HMO 27/Cattract District  
Corbit/7-16  
Complete backfill-30'S of opening



HMO 27/Cattract District  
Crescent-8-17  
Before demolition-50'W of opening



HMO 27/Cattract District  
Crescent/8-17  
Inside building-10'W of opening



HMO 27/Cattract District  
Crescent/8-17  
From 1 building-20'W of opening



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SEATTLE FILMWORKS 14OCT91

SEATTLE FILMWORKS 25SEP91

SEATTLE FILMWORKS 25SEP91



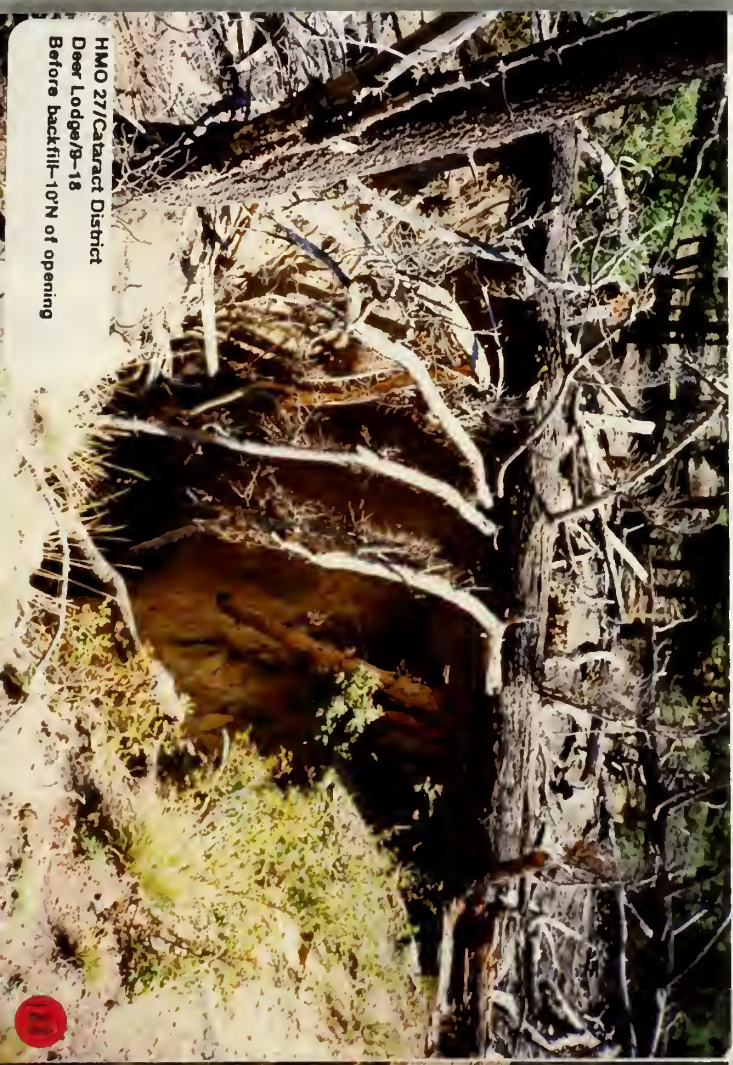
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HMO 27/Cabract District  
Deer Lodge/9-18  
Backfilling shaft-20'E of opening

8700791

SEATTLE FILMWORKS 8700791



HMO 27/Cabract District  
Deer Lodge/9-18  
Before backfill-10'N of opening

8700791





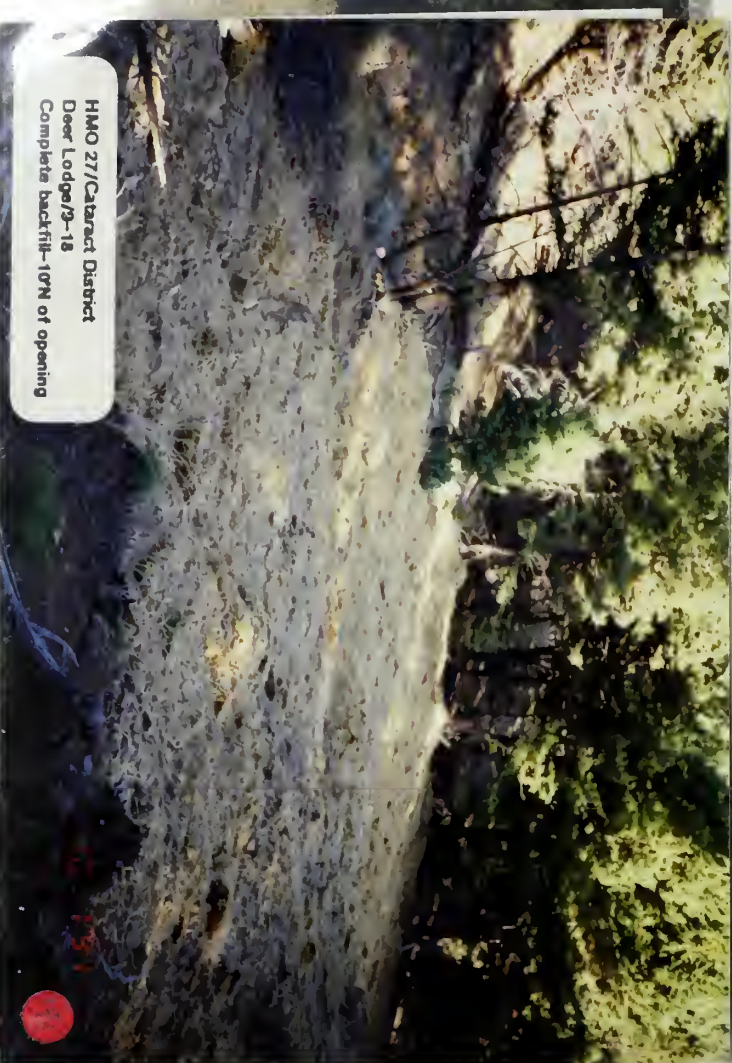
HMO 27/Cabract District  
Deer Lodge/8-18 & 19  
Grading area-20N of opening

116



HMO 27/Cabract District  
Deer Lodge/8-19  
Backfilling shaft-10N of opening

113



HMO 27/Cabract District  
Deer Lodge/8-18  
Complete backfill-10N of opening

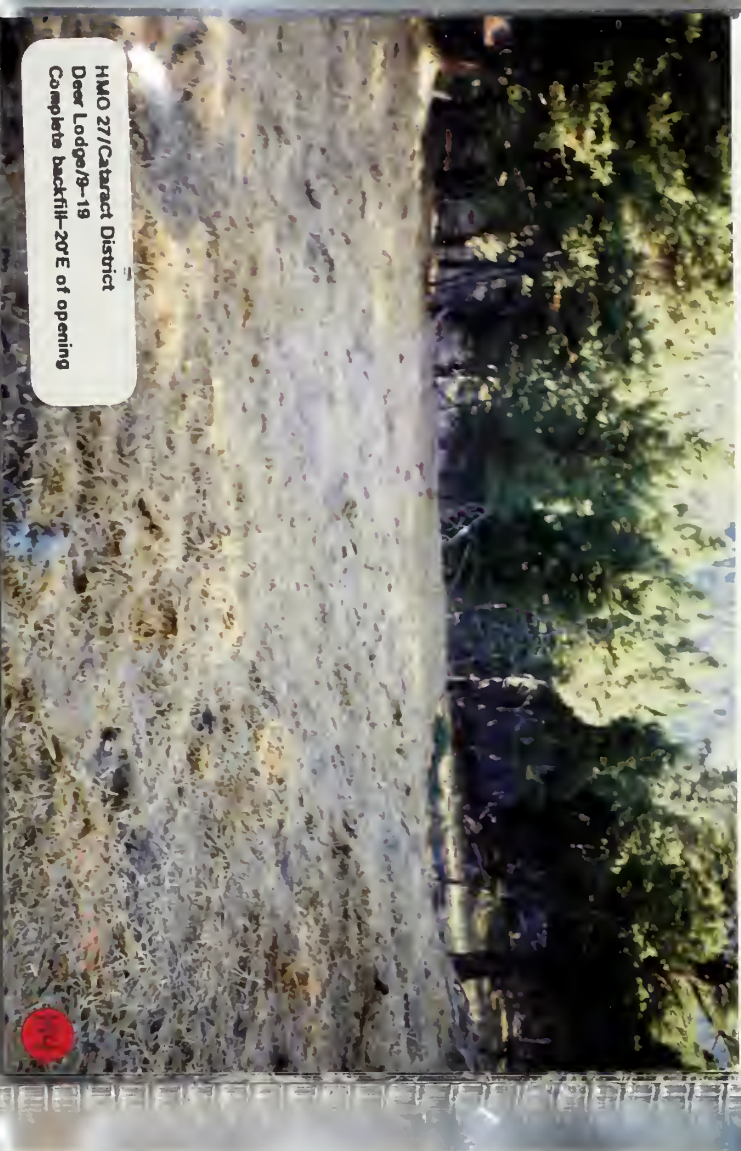
114



HMO 27/Cabract District  
Deer Lodge/8-19  
Before backfill-5S of opening

115





HMO 27/Catawact District  
Deer Lodge/8-19  
Complete backfill-20'E of opening

114



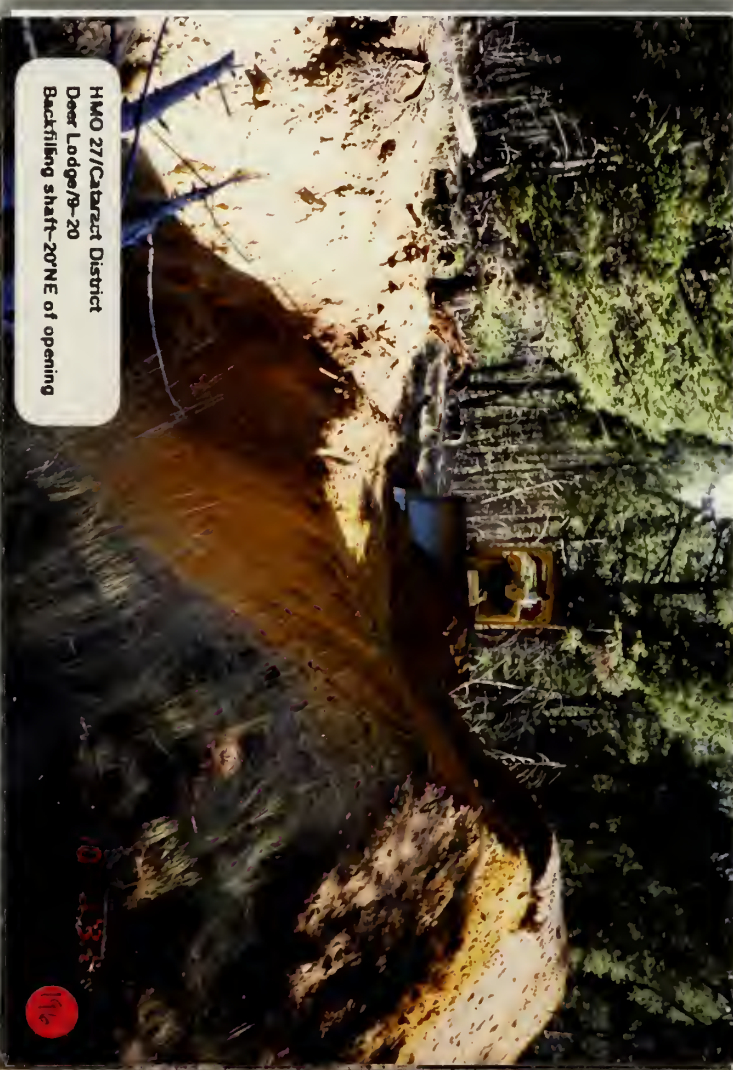
HMO 27/Catawact District  
Deer Lodge/8-20  
Backfilling shaft-20'NE of opening

115



HMO 27/Catawact District  
Deer Lodge/8-20  
Before backfill-30'NE of opening

115



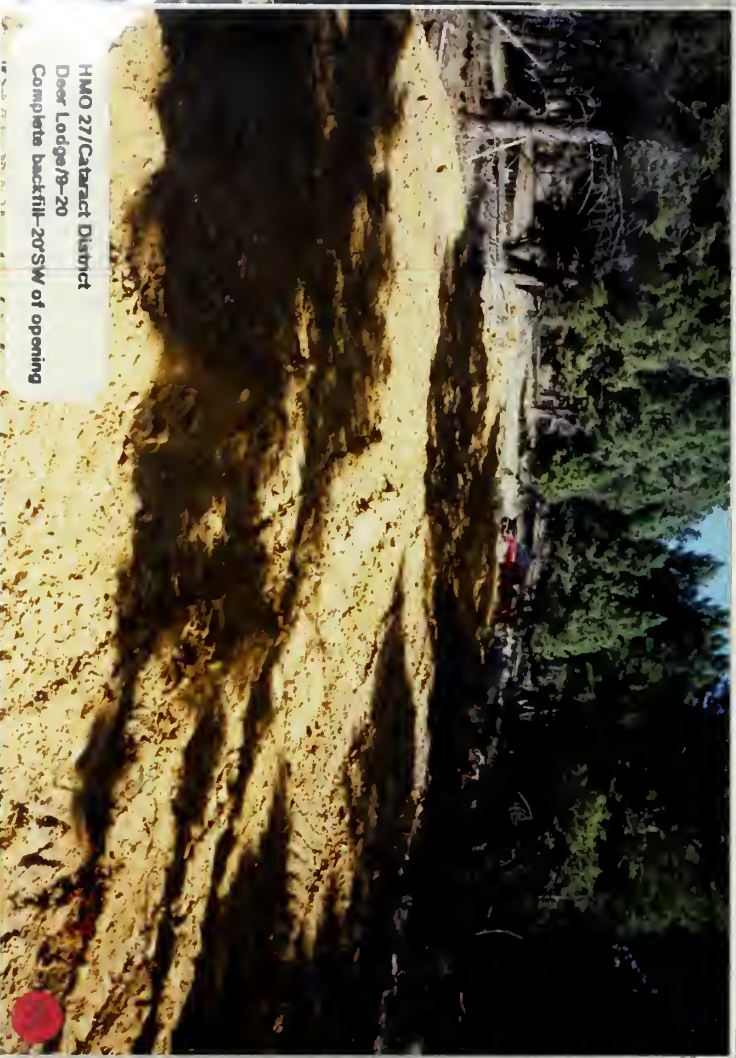
HMO 27/Catawact District  
Deer Lodge/8-20  
Backfilling shaft-20'NE of opening

116

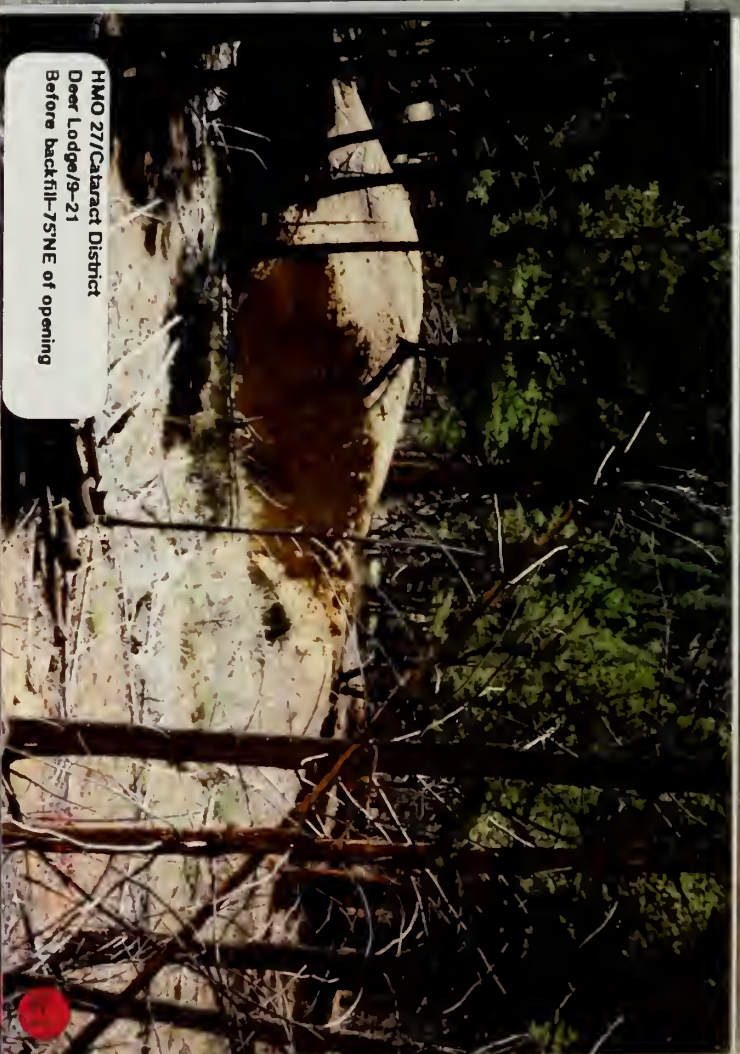




HMO 27/Cattract District  
Deer Lodge/9-20  
Complete backfill-10'NE of opening



HMO 27/Cattract District  
Deer Lodge/9-20  
Complete backfill-20'SW of opening



HMO 27/Cattract District  
Deer Lodge/9-21  
Before backfill-75'NE of opening

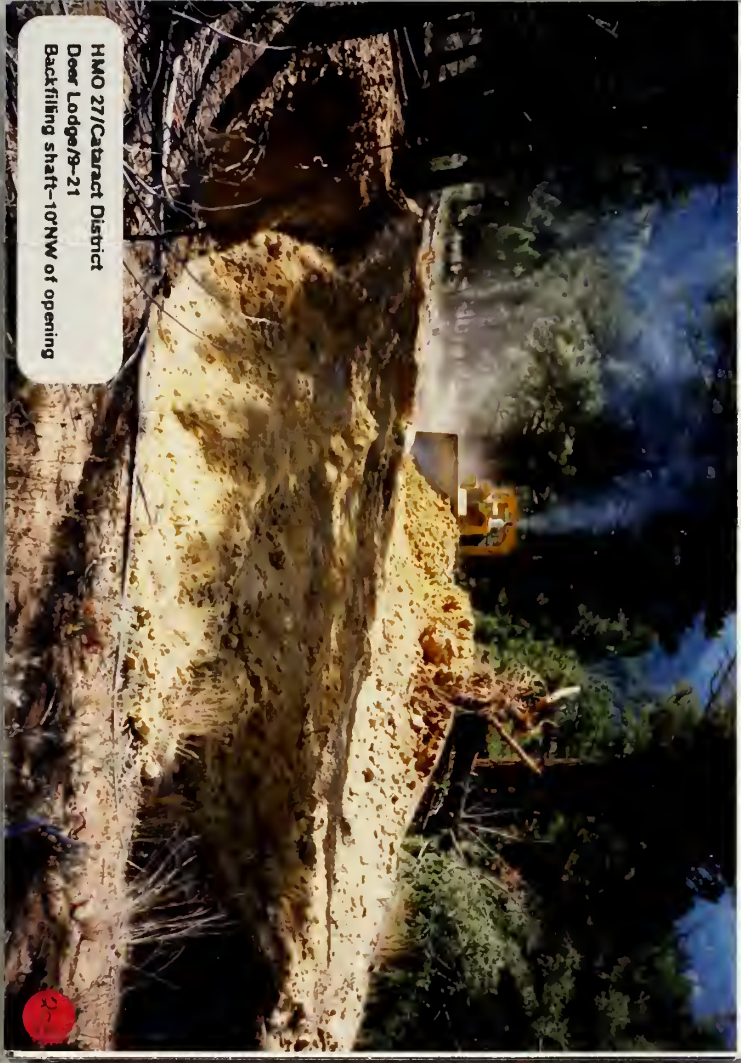


HMO 27/Cattract District  
Deer Lodge/9-20  
Seeded area-30'SW of opening





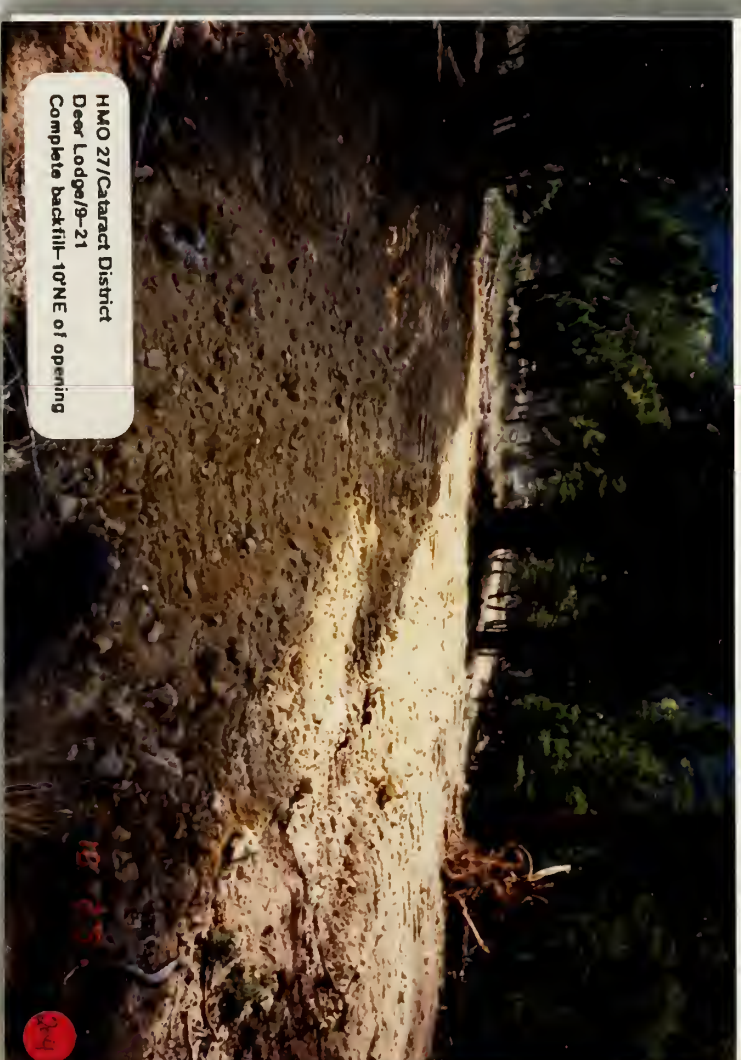
HMO 27/Cataraact District  
Deer Lodge/8-21  
Backfilling shaft-70'NE of opening



HMO 27/Cataraact District  
Deer Lodge/8-21  
Backfilling shaft-10'NW of opening



HMO 27/Cataraact District  
Deer Lodge/8-21  
Seeded area-25'SW of opening

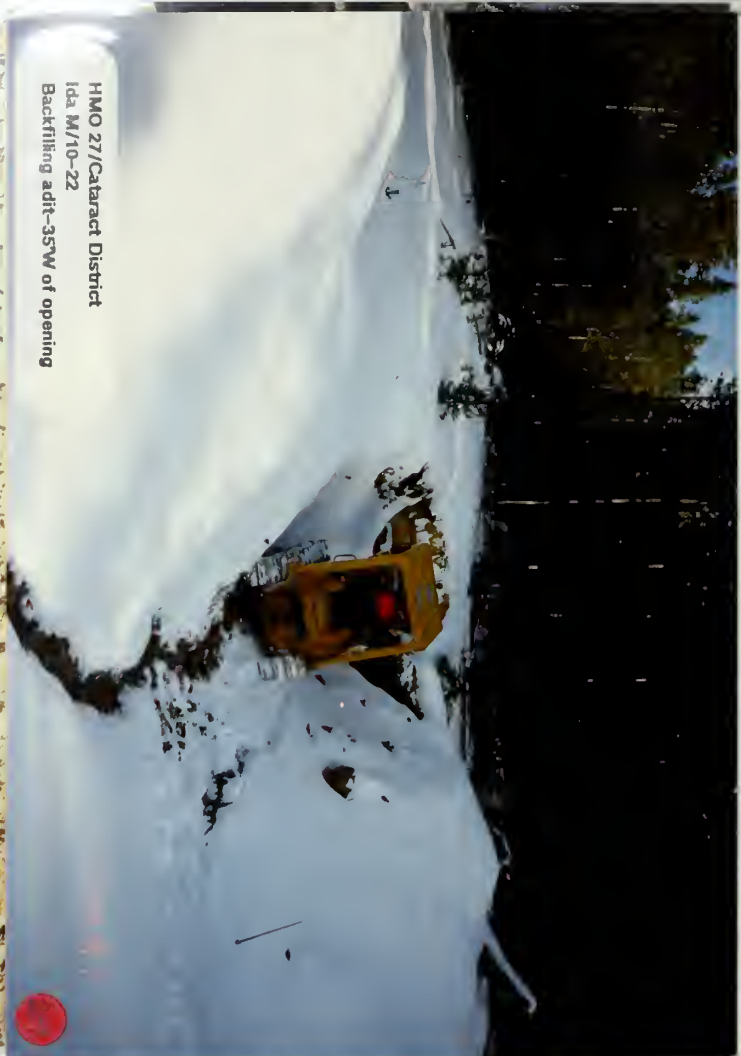


HMO 27/Cataraact District  
Deer Lodge/8-21  
Complete backfill-10'NE of opening

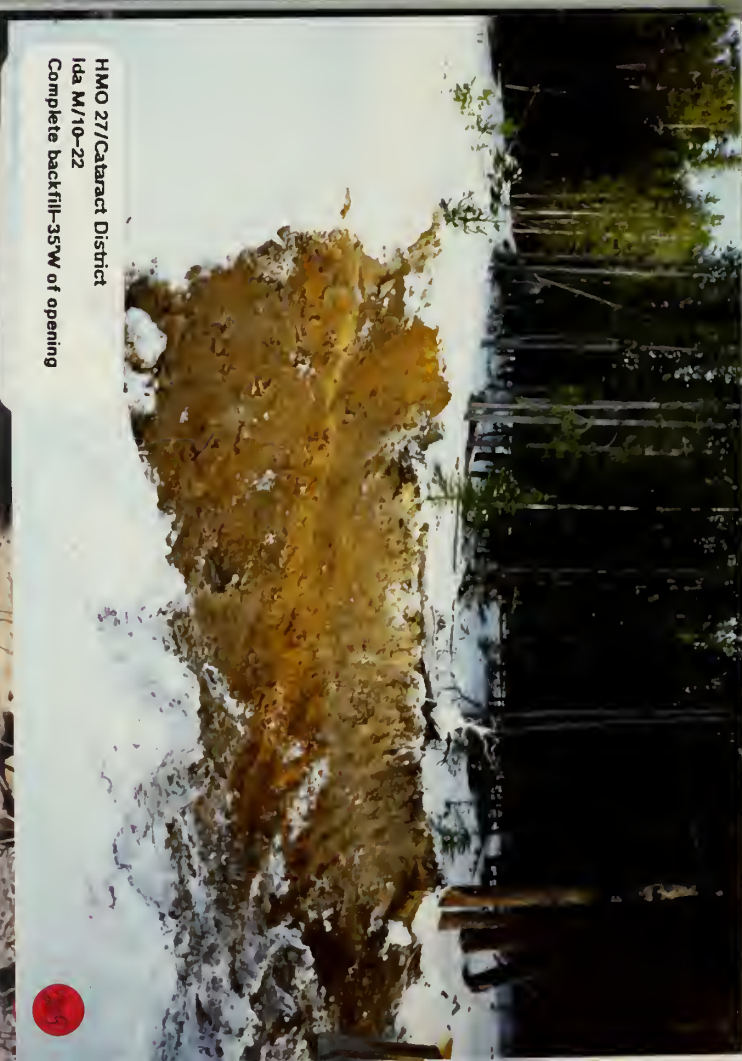




HMO 27/Cattract District  
Ida M/10-22  
before backfill



HMO 27/Cattract District  
Ida M/10-22  
Backfilling adit-35W of opening



HMO 27/Cattract District  
Ida M/10-22  
Complete backfill-35W of opening



HMO 27/Cattract District  
Ida M/10-22  
Backfilling adit-35W of opening





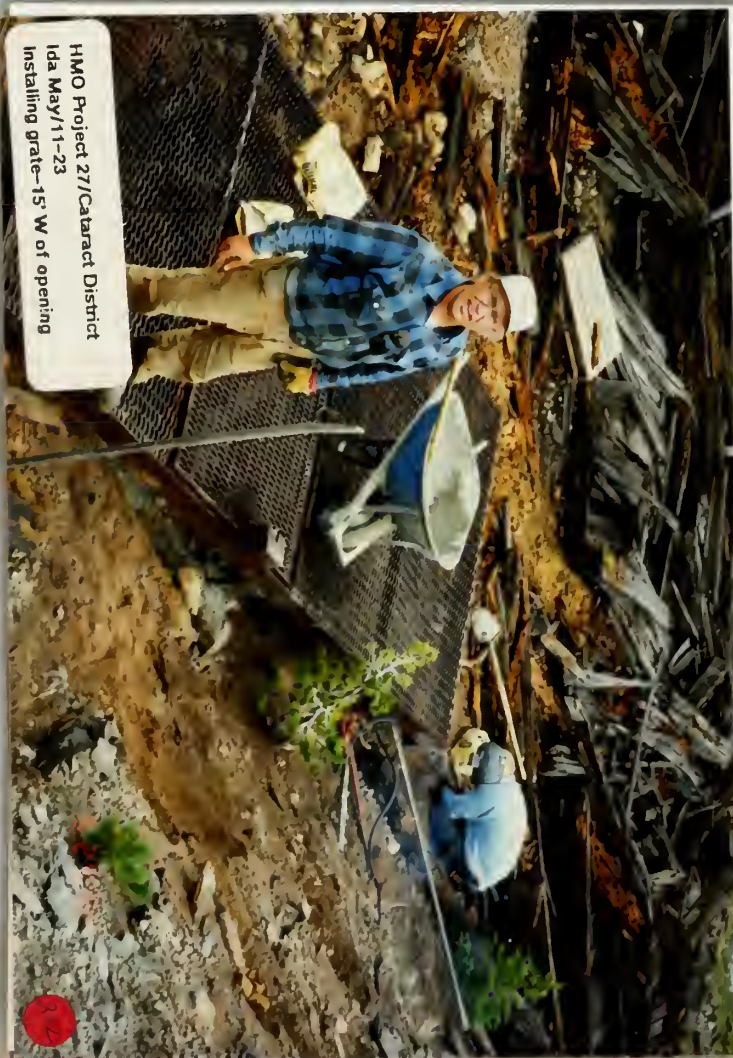
HMO 27/Cataract District  
Ida May/11-23  
Before grate-10'SW of opening



HMO 27/Bassett District  
Ida May/11-23  
Installing grate-20'W of opening



HMO Project 27-Cataract District  
Ida May/11-23  
Complete grate-5' W of opening



HMO Project 27/Cataract District  
Ida May/11-23  
Installing grate-15' W of opening





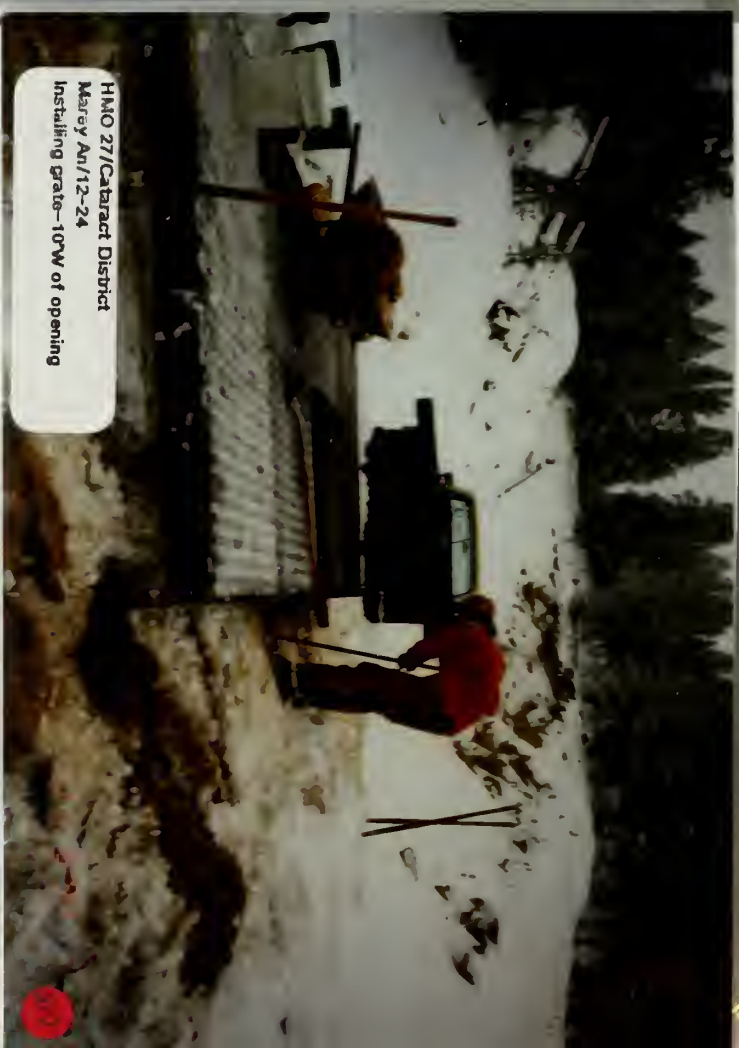
HMO 27/Cattract District  
Marey An/12-24  
Before grate-10'S of opening

200



HMO 27/Cattract District  
Marey An/12-24  
Installing grate-10'E of opening

201



HMO 27/Cattract District  
Marey An/12-24  
Installing grate-10'W of opening

202



HMO 27/Cattract District  
Marey An/12-24  
Installing grate-10'W of opening

203





HMO 27/Catract District  
Marey An/12-24  
Installing grate-10'S of opening

28



HMO 27/Catract District  
Minnepols/13-25  
Before backfill-10'S of opening

29



HMO 27/Catract District  
Marey An/12-24  
Complete grate-10'S of opening

30



HMO 27/Catract District  
Marey An/12-24  
Complete grate-10'S of opening

31

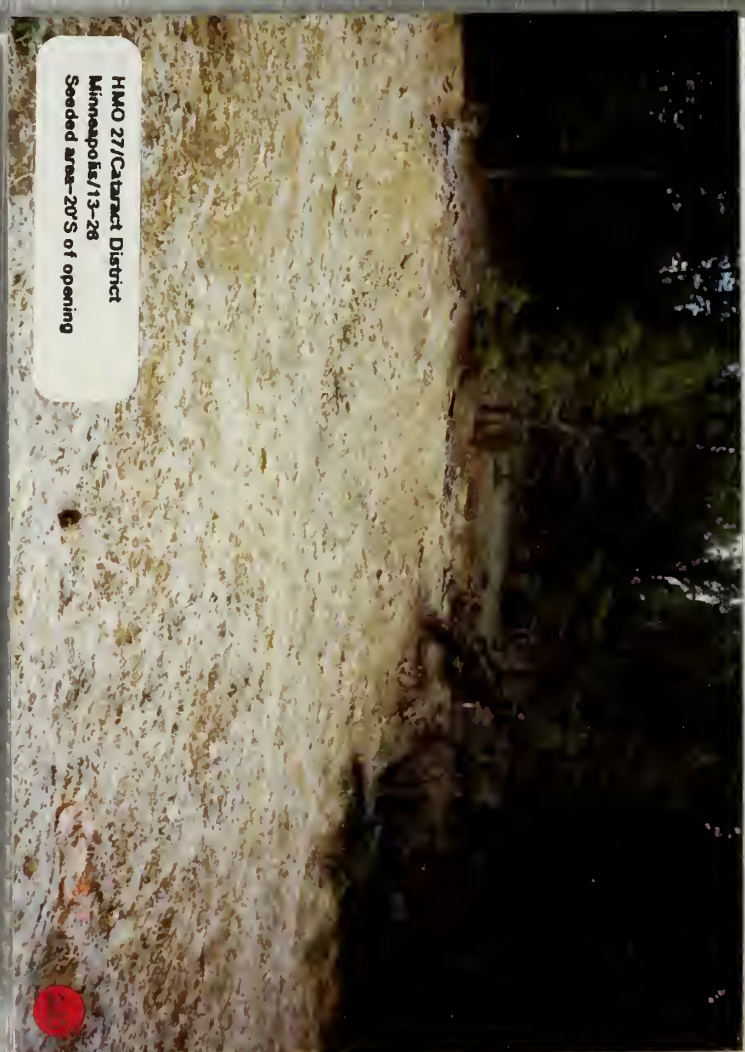




HMO 27/Cabract District  
Minneapolis/13-25 & 26  
Complete backfill-20'S of opening



HMO 27/Cabract District  
Minneapolis/13-25  
Seeded area-30'S of opening



HMO 27/Cabract District  
Minneapolis/13-28  
Seeded area-20'S of opening

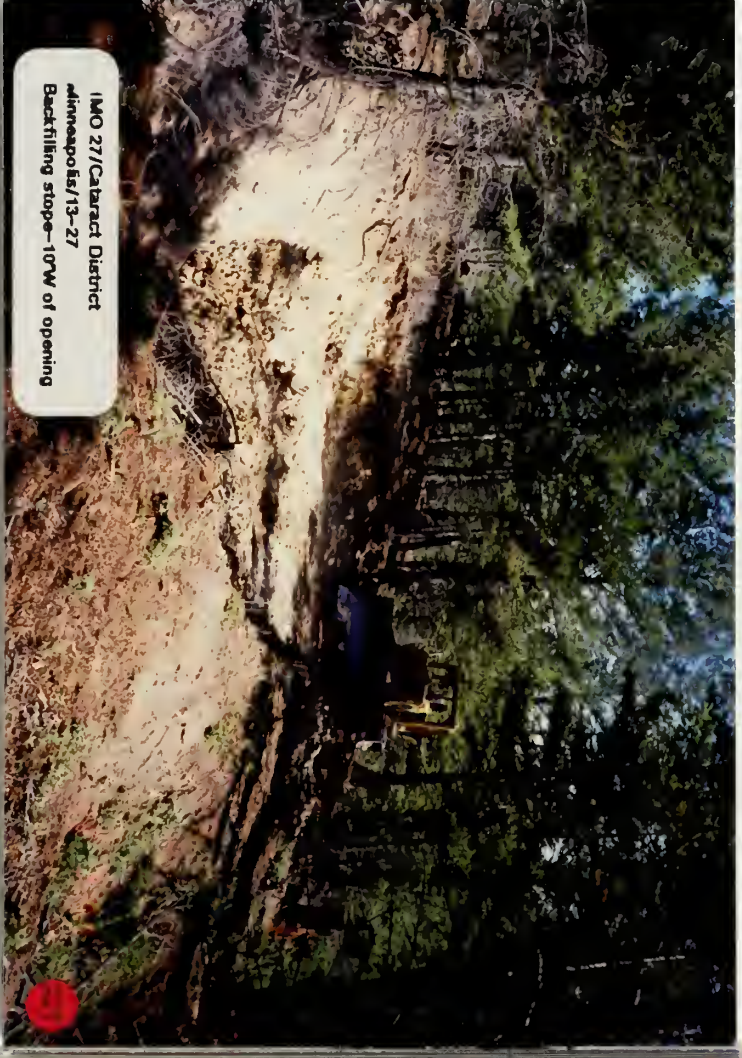


HMO 27/Cabract District  
Minneapolis/13-28  
Before backfill-10'S of opening

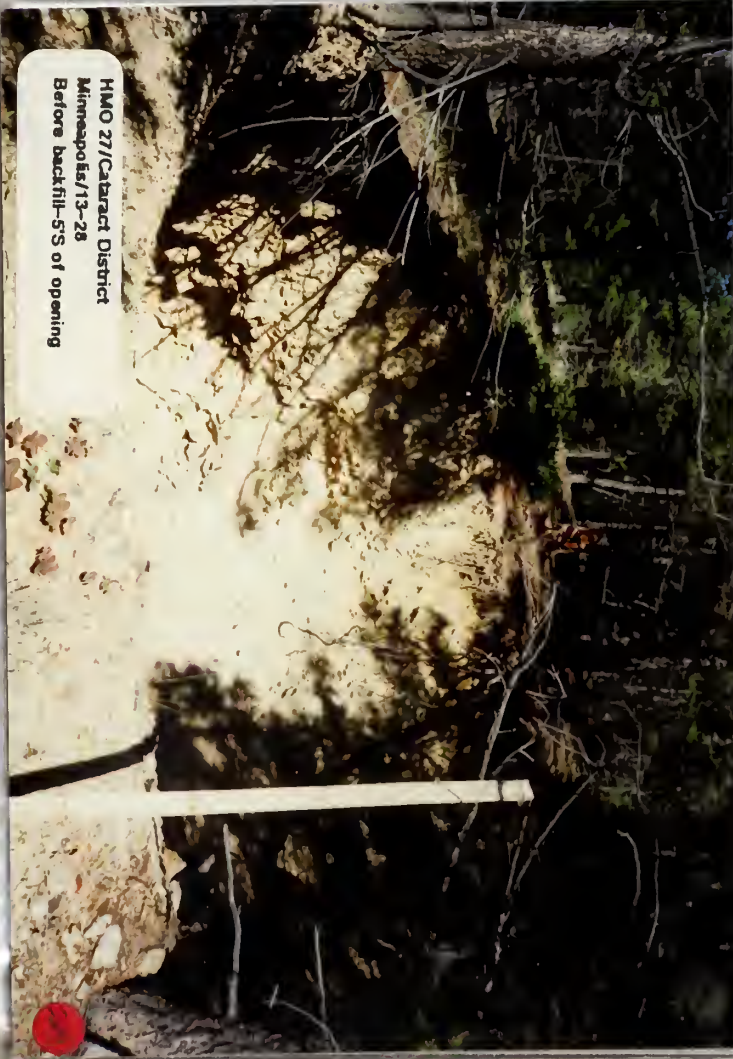




HMO 27/Cataraugus District  
Minnesota/13-27  
Before backfill-10'W of opening



HMO 27/Cataraugus District  
Minnesota/13-27  
Backfilling slope-10'W of opening

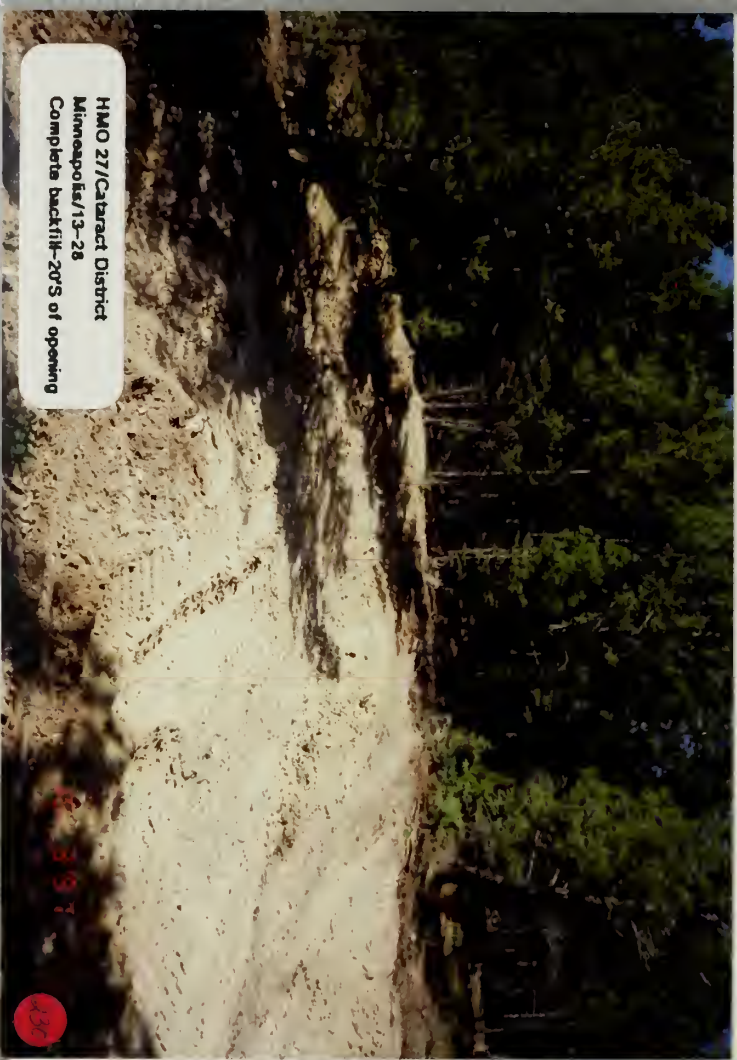


HMO 27/Cataraugus District  
Minnesota/13-28  
Before backfill-5'S of opening



HMO 27/Cataraugus District  
Minnesota/13-27  
Seeded area-10'W of opening





HMO 27/Cataract District  
Minneapolis/13-28  
Completa backfill-20'S of opening

6-3-91



HMO 27/Cataract District  
Minneapolis/13-28  
Seeded area-10'SE of opening

6-3-91



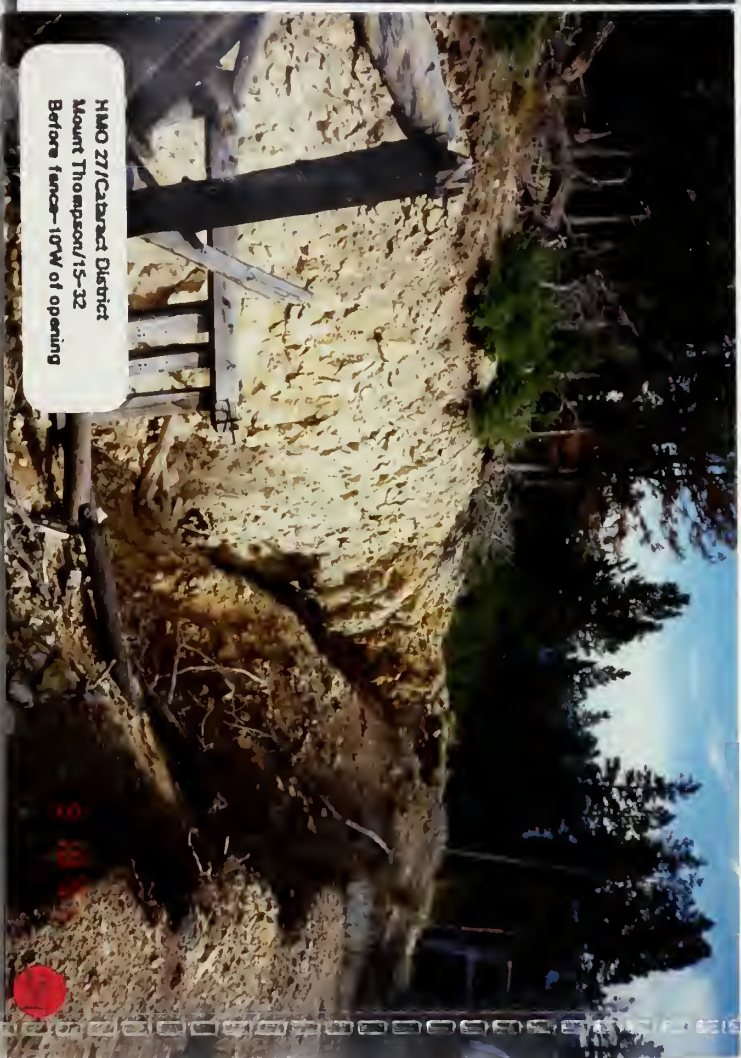
HMO 27/Cataract District  
Minneapolis/13-28  
Seeded area-25'S of opening



HMO 27/Cataract District  
Minneapolis/13-28  
Before backfill-10'W of opening

6-3-91

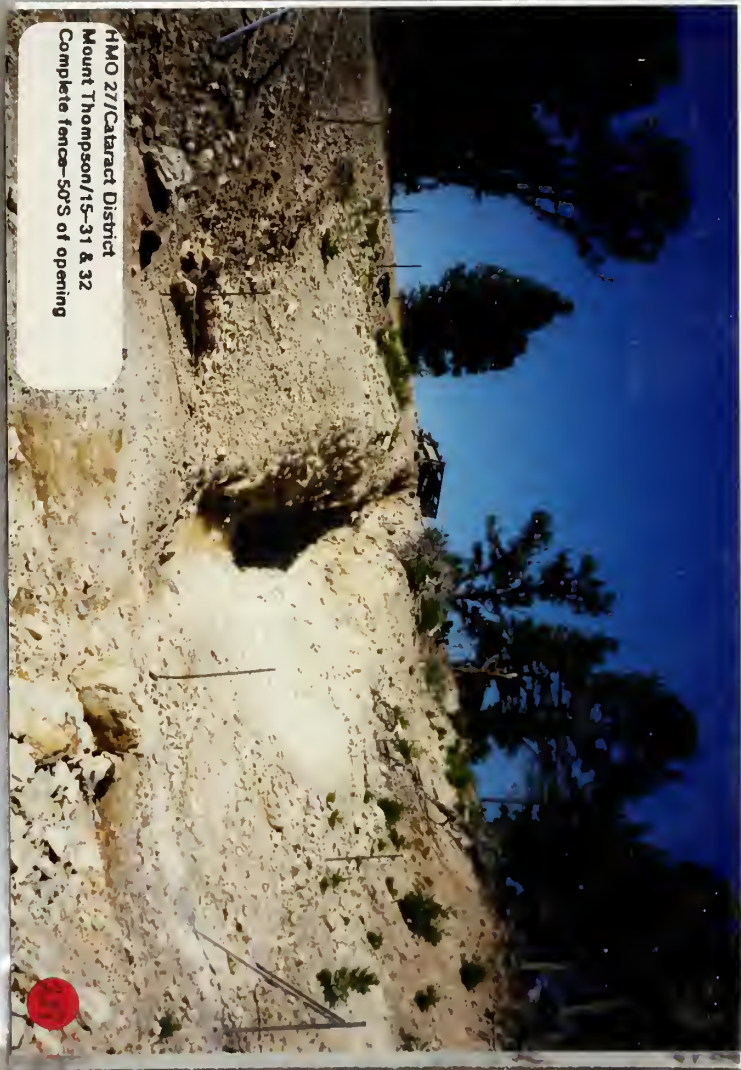




HMO 27/Cataract District  
Mount Thompson/15-32  
Before fence-10'W of opening



HMO 27/Cataract District  
Mount Thompson/15-31  
Before fence-10'W of opening



HMO 27/Cataract District  
Mount Thompson/15-31 & 32  
Complete fence-50'S of opening



HMO 27/Cataract District  
Mount Thompson/14-31 & 32  
Installing fence-35'S of opening





HMO 27/Cattract District  
Mount Thompson/15-31  
Complete fence-50'E of opening



HMO 27/Cattract District  
NE NW Section 3/18-34  
Complete backfill-20'S of opening

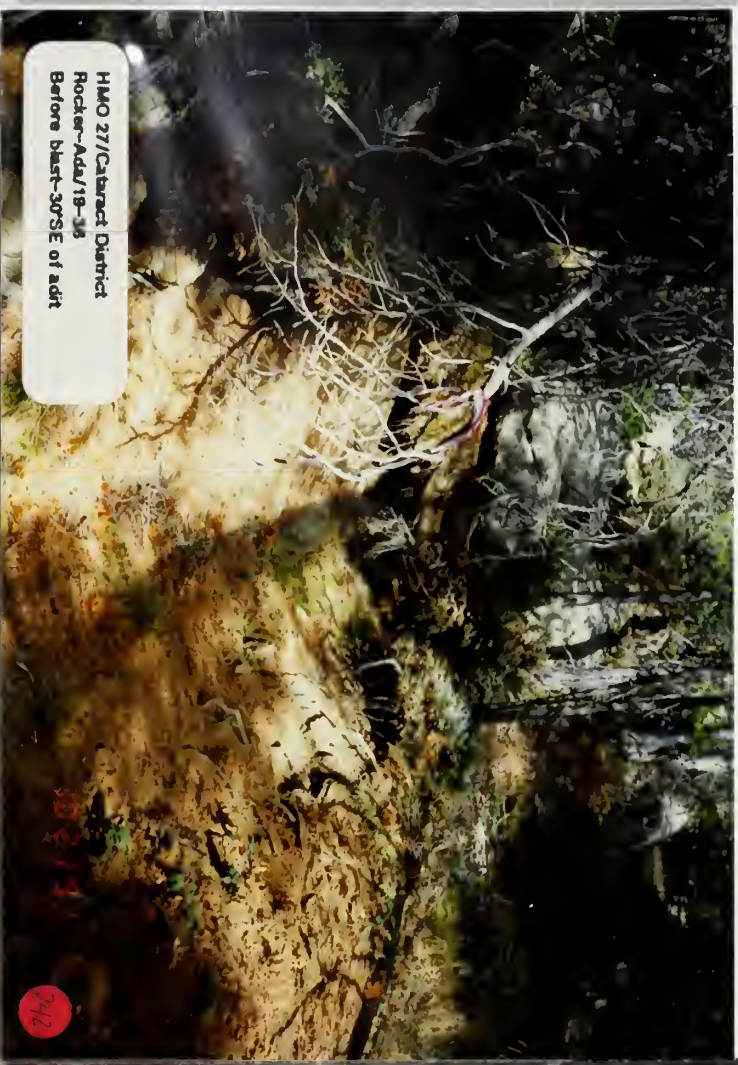


HMO 27/Cattract District  
NE NW Section 3/18-34  
Before backfill-20'S of opening



HMO 27/Cattract District  
NE NW Section 3/18-34  
Backfilling adit-20'S of opening





HMO 27/Catatract District  
Rocker-Ada/19-36  
Before blast-30°SE of adit

242



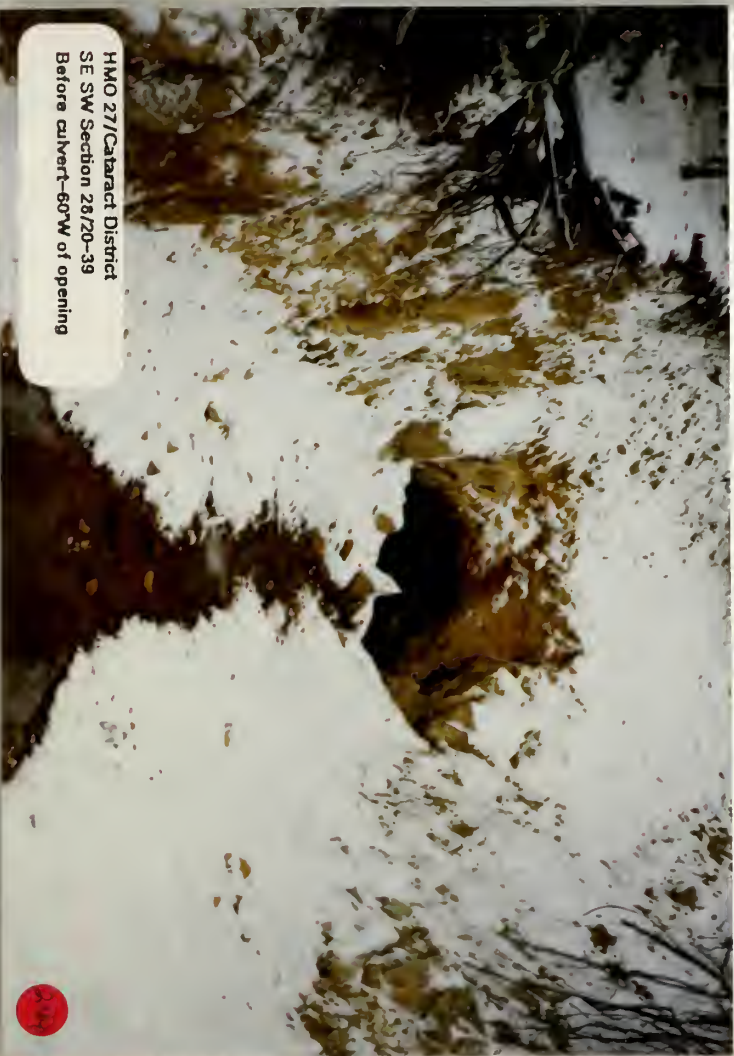
HMO 27/Catatract District  
Rocker-Ada/19-36  
Complete blast-30°SE of opening

243



HMO 27/Catatract District  
SE SW Section 28/20-39  
Installing drainpipe-20°W of opening

244



HMO 27/Catatract District  
SE SW Section 28/20-39  
Before culvert-60°W of opening

245





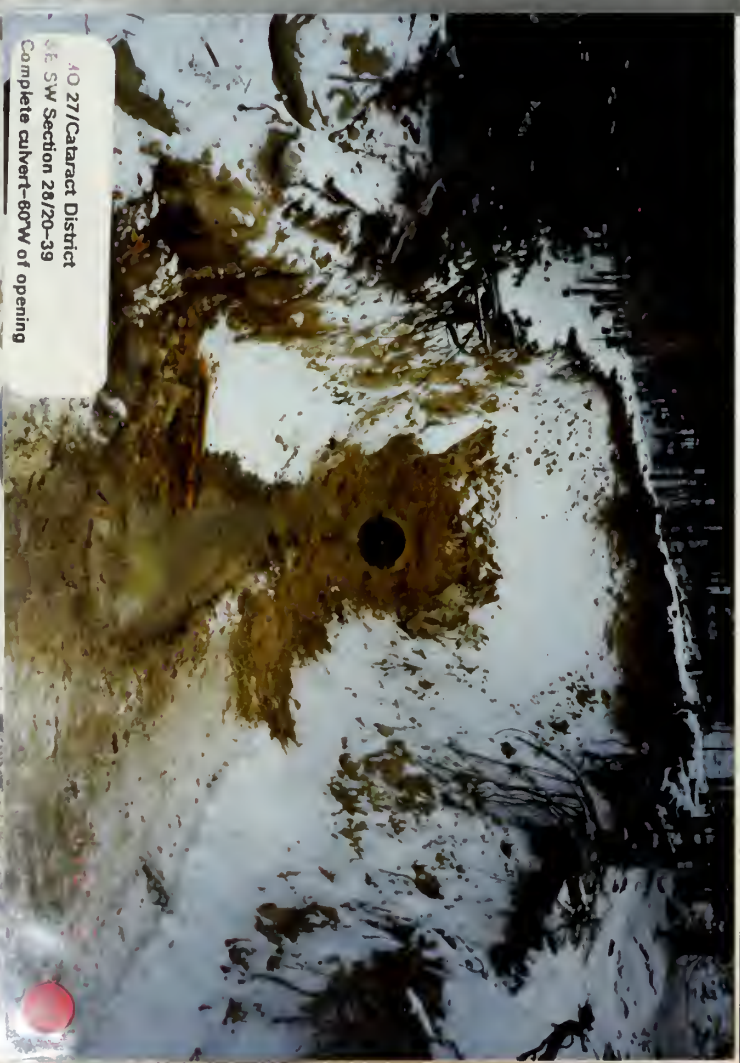
HMO 27/Catatract District  
SE SW Section 28/20-39  
Installing culvert-20W of opening



HMO 27/Catatract District  
SE SW Section 28/20-39  
Installing culvert-40W of opening

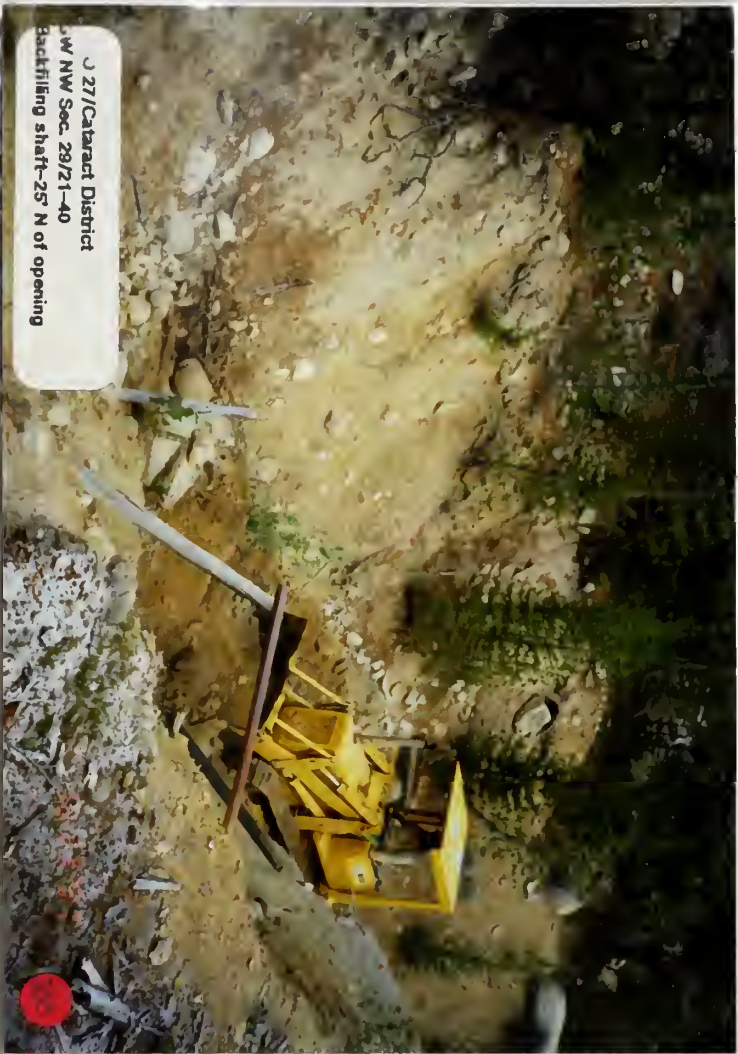


HMO 27/Catatract District  
SW NW Sec.28/21-40  
Before backfill-30' SE of opening

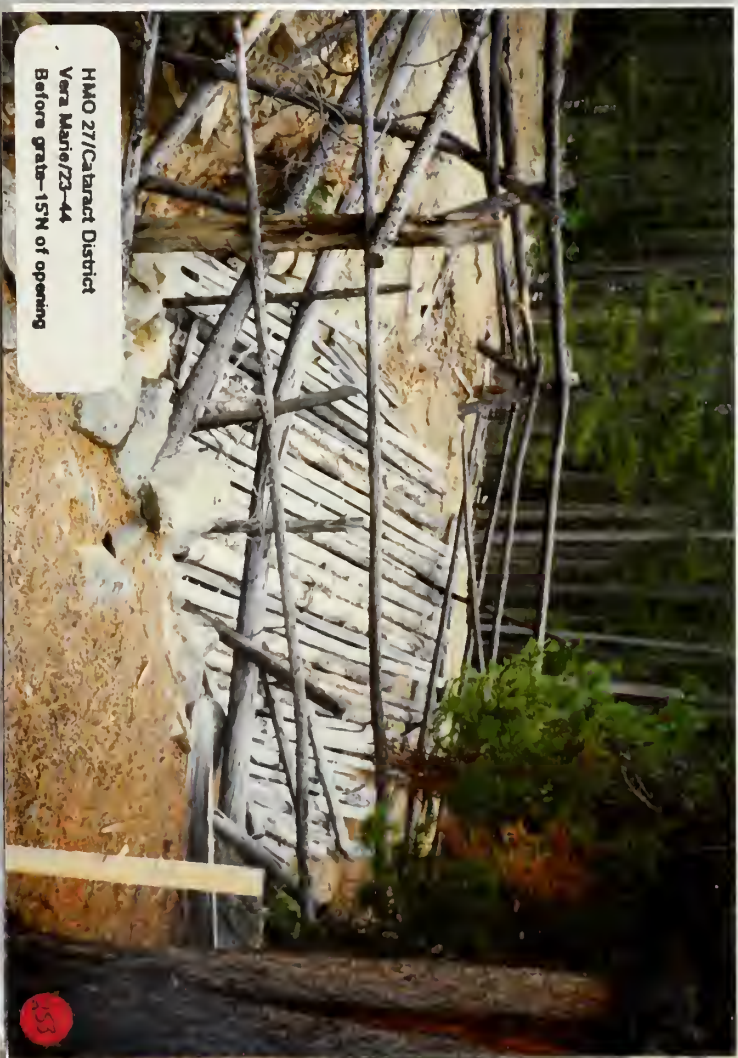


HMO 27/Catatract District  
SE SW Section 28/20-39  
Complete culvert-80'W of opening





U 27/Cataract District  
SW NW Sec. 29/21-40  
Backfilling shaft-25' N of opening



HMO 27/Cataract District  
Vera Marie/23-44  
Before grab-15' N of opening

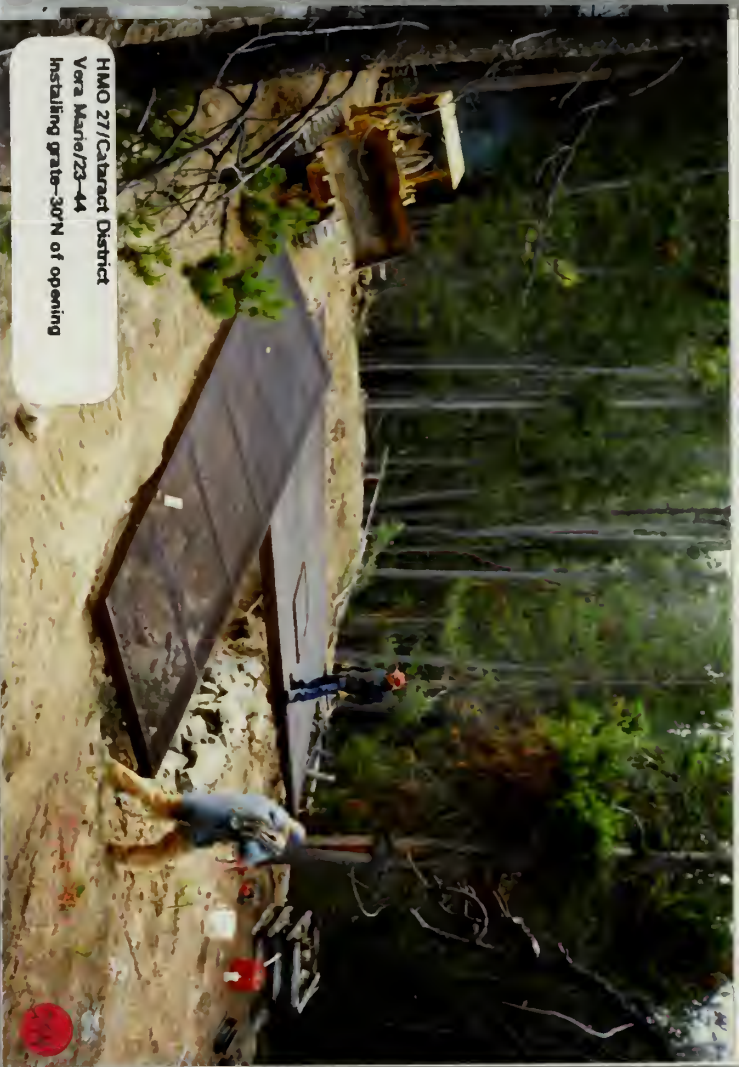


HMO 27/Cataract District  
SW NW Sec. 29/21-40  
Complete backfill-35'S of opening



HMO 27/Cataract District  
SW NW Sec. 29/21-40  
Seeded area-35'S of opening





HMO 27/Catract District  
Vera Marie/23-44  
Installing grate-30°N of opening



HMO 27/Catract District  
Vera Marie/23-44  
Installing grate-30°S of opening



HMO 27/Catract District  
Vera Marie/23-44  
Complete grate-20°E of opening



HMO 27/Catract District  
Vera Marie/23-44  
Installing grate-15°N of opening





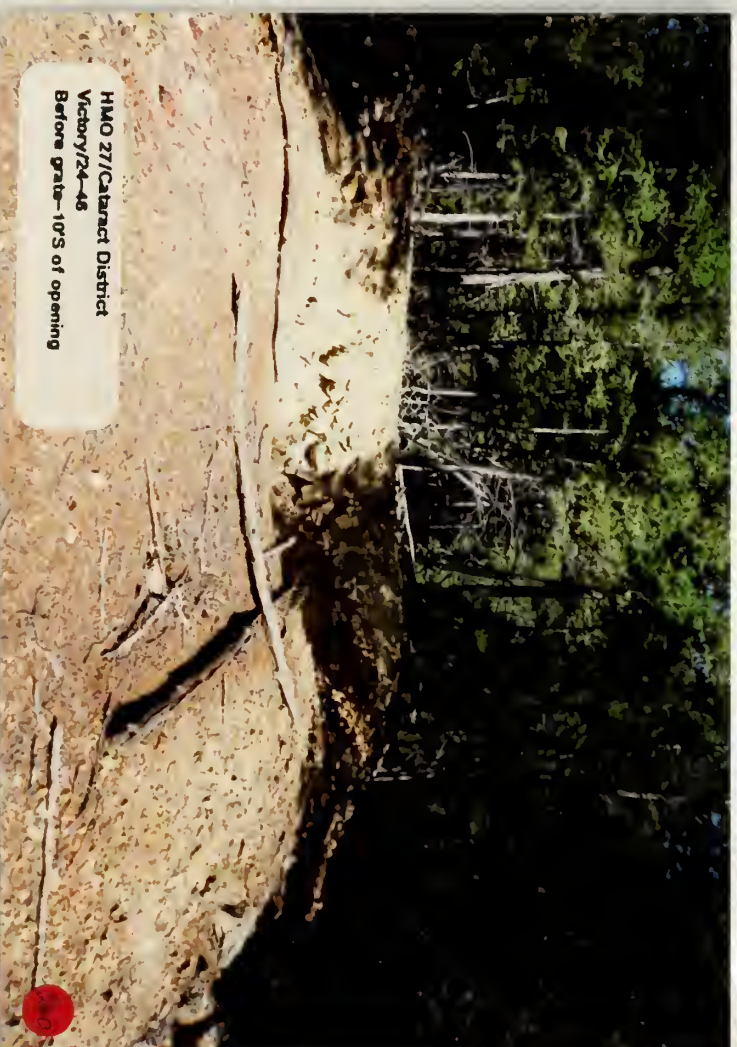
HMO 27/Cataract District  
Vera Marie/23-45  
Before fence-20'W of opening



HMO 27/Cataract District  
Vera Marie/23-45  
Complete fence-20'W of opening

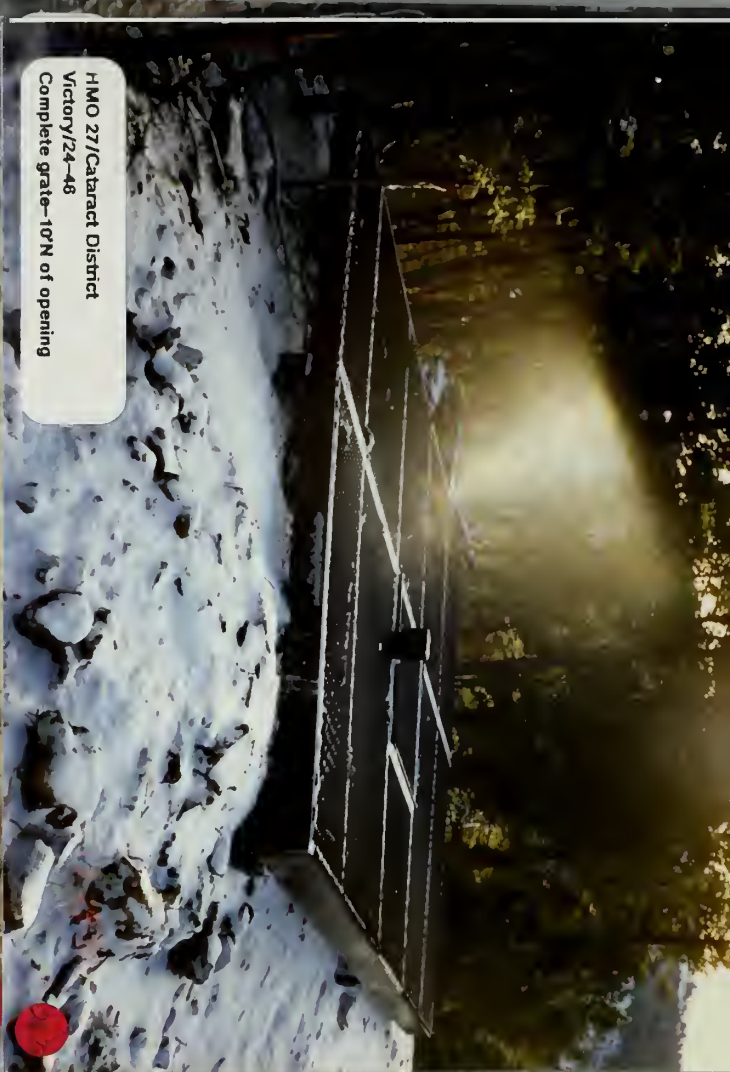


HMO 27/Cataract District  
Victory/24-46  
Installing grate-10'N of opening

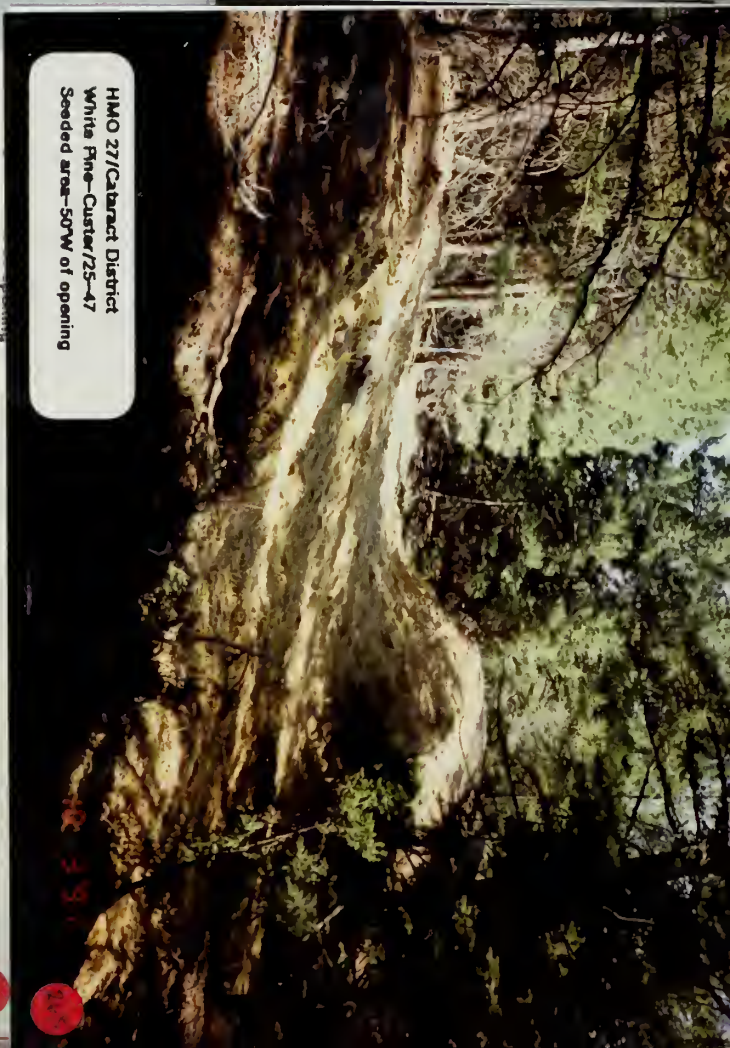


HMO 27/Cataract District  
Victory/24-46  
Before grate-10'S of opening

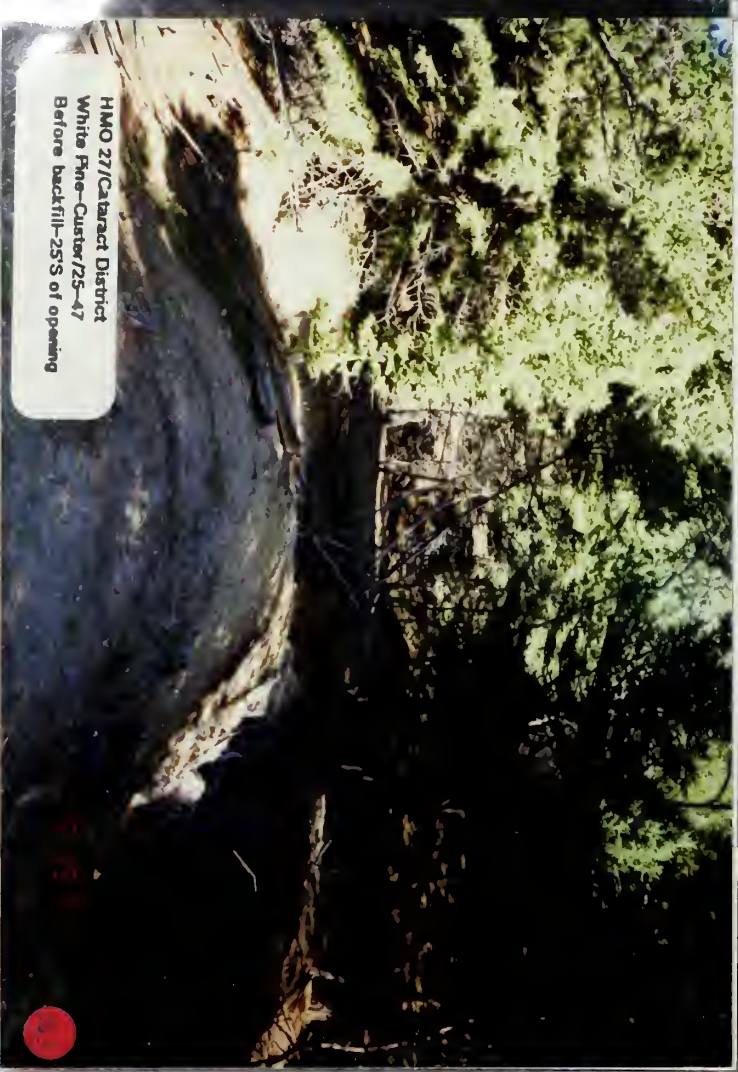




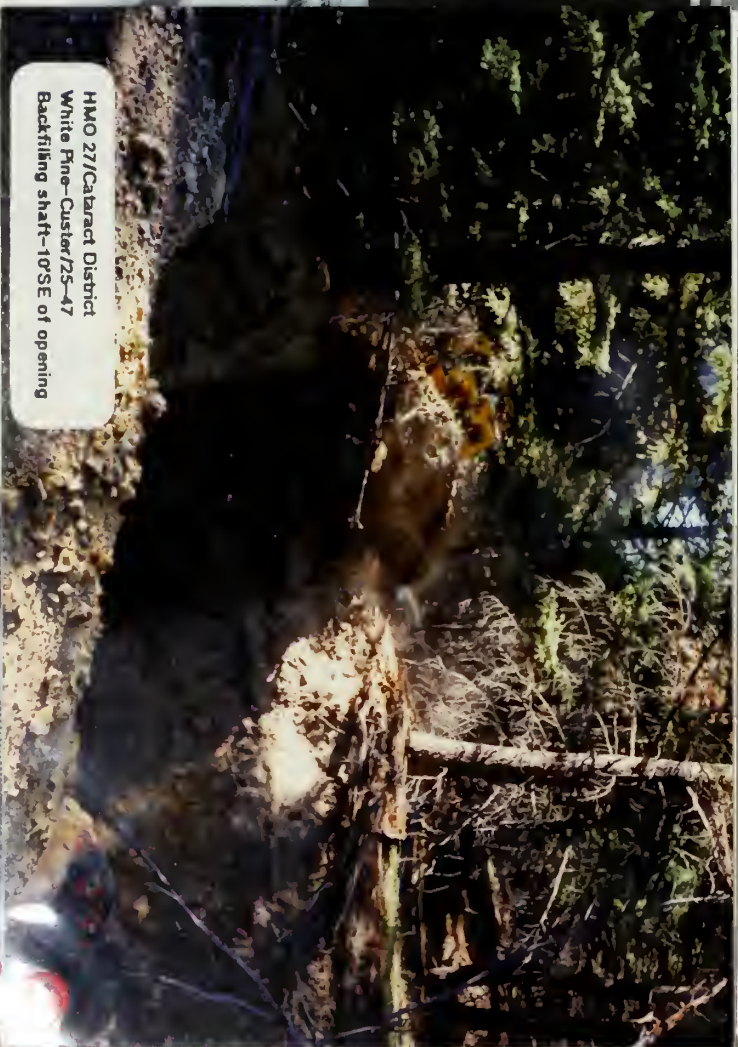
HMO 27/Cataraugus District  
Victory/24-48  
Complete grate-10'N of opening



HMO 27/Cataraugus District  
White Pine-Custer/25-47  
Seeded area-50'W of opening



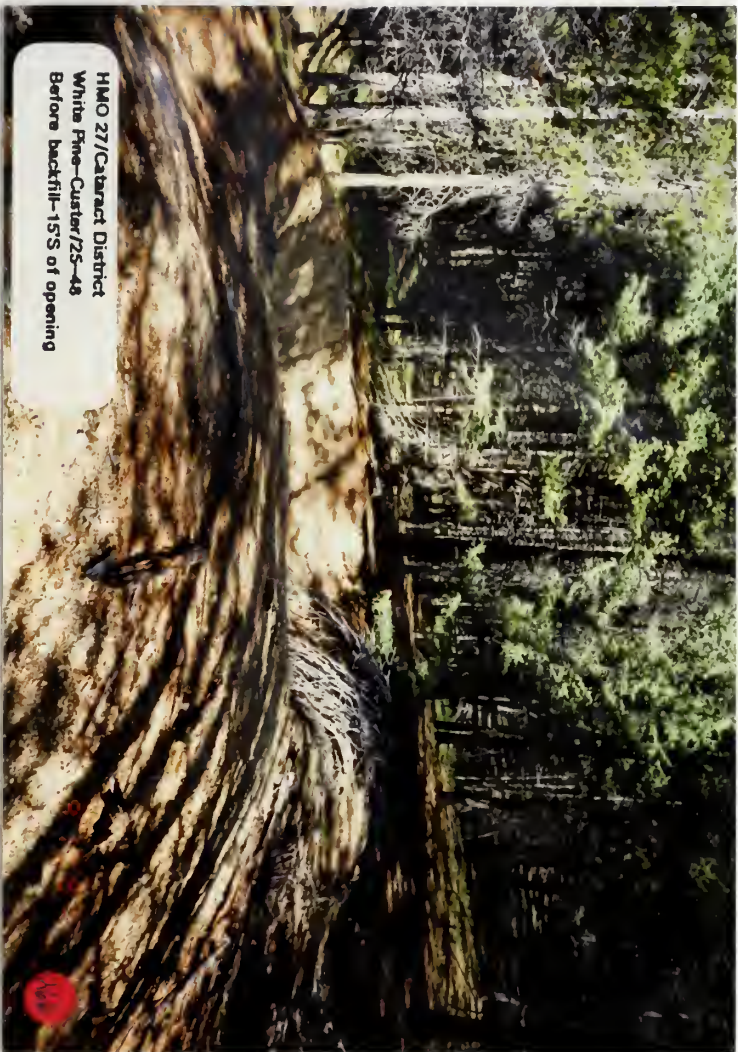
HMO 27/Cataraugus District  
White Pine-Custer/25-47  
Before backfill-25'S of opening



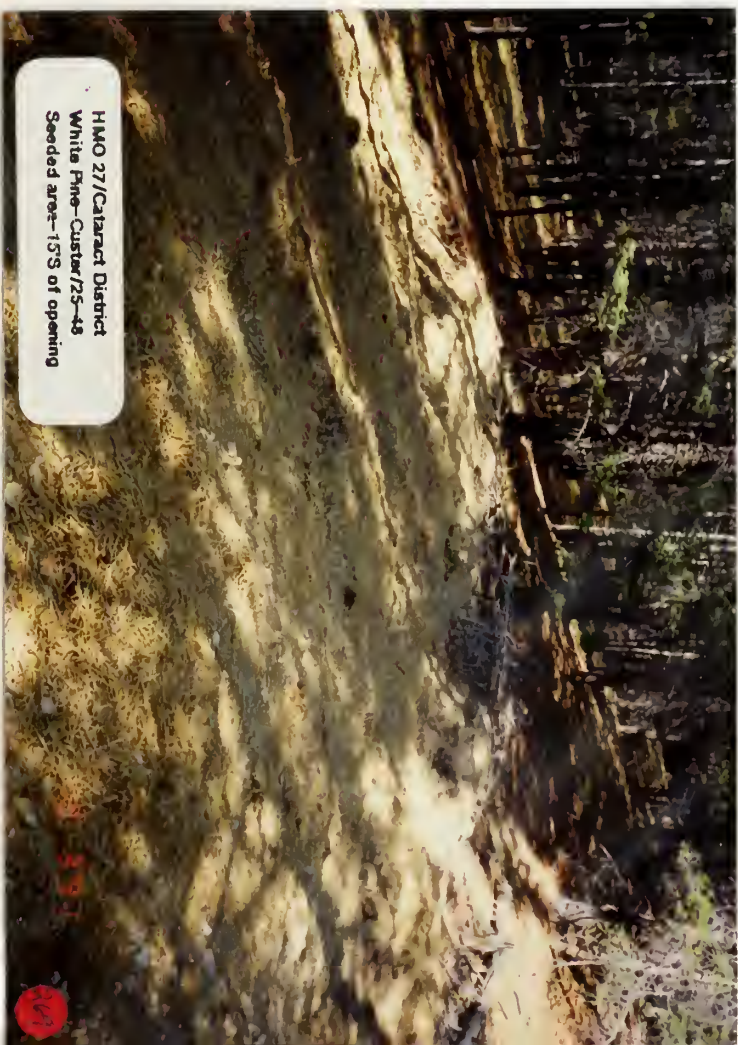
HMO 27/Cataraugus District  
White Pine-Custer/25-47  
Backfilling shaft-10'SE of opening

Installing grate-15'N of opening





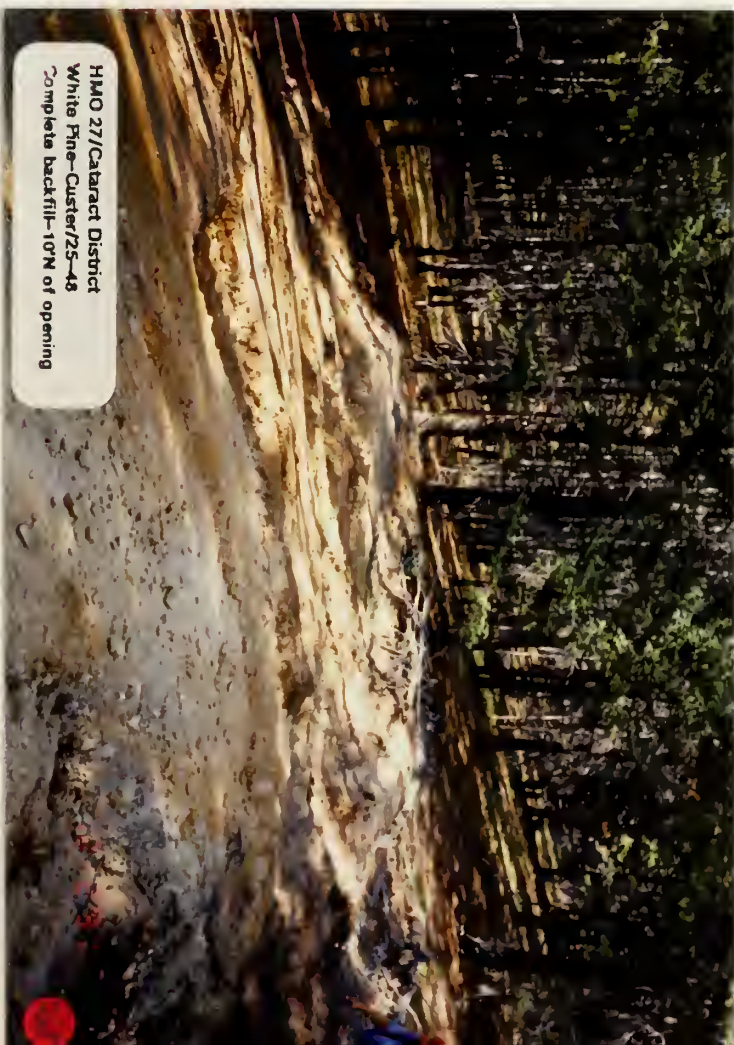
HMO 27/Cabract District  
White Pine-Custer/25-48  
Before backfill-15S of opening



HMO 27/Cabract District  
White Pine-Custer/25-48  
Seeded area-15S of opening



HMO 27/Cabract District  
White Pine-Custer/25-48  
Backfilling shaft-10NW of opening



HMO 27/Cabract District  
White Pine-Custer/25-48  
Complete backfill-10W of opening



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SEATTLE FILMWORKS 305EP91

SEATTLE FILMWORKS 140CT91



HIGH ORE

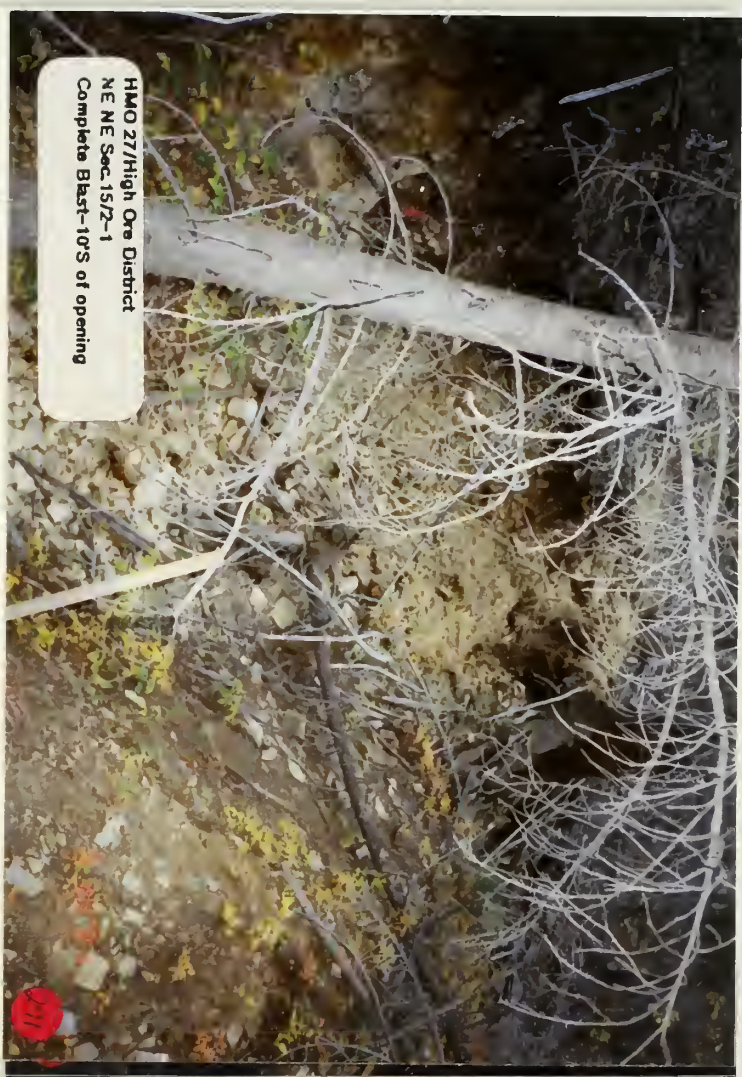




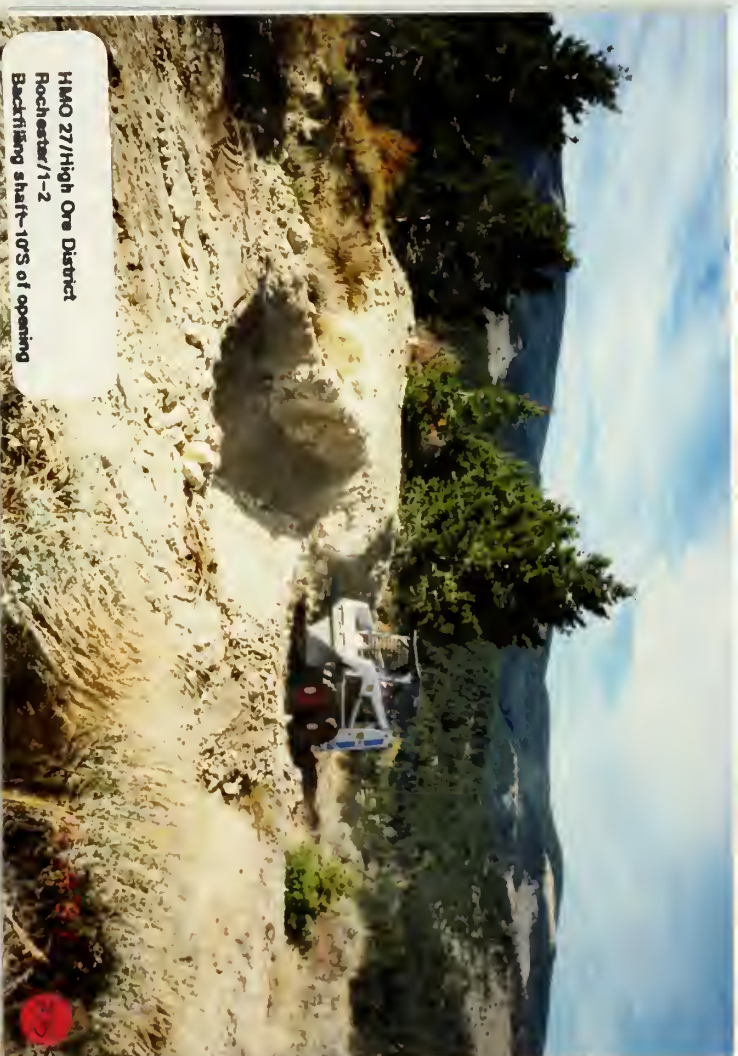




HMO 27/High Ore District  
NE NE Sec. 15/2-1  
Before blast-10'S of opening



HMO 27/High Ore District  
NE NE Sec. 15/2-1  
Complete Blast-10'S of opening



HMO 27/High Ore District  
Rochester/1-2  
Backfilling shaft-10'S of opening



HMO 27/High Ore District  
Rochester/1-2  
Before backfill-10'W of opening





HMO 27/High Ore District  
Rochester/1-2  
Complete backfill-10'S of opening



HMO 27/High Ore District  
S.B. Jr./5-3  
Complete culvert-10'S of opening



HMO 27/High Ore District  
S.B. Jr./5-3  
Installing culvert-10'S of opening

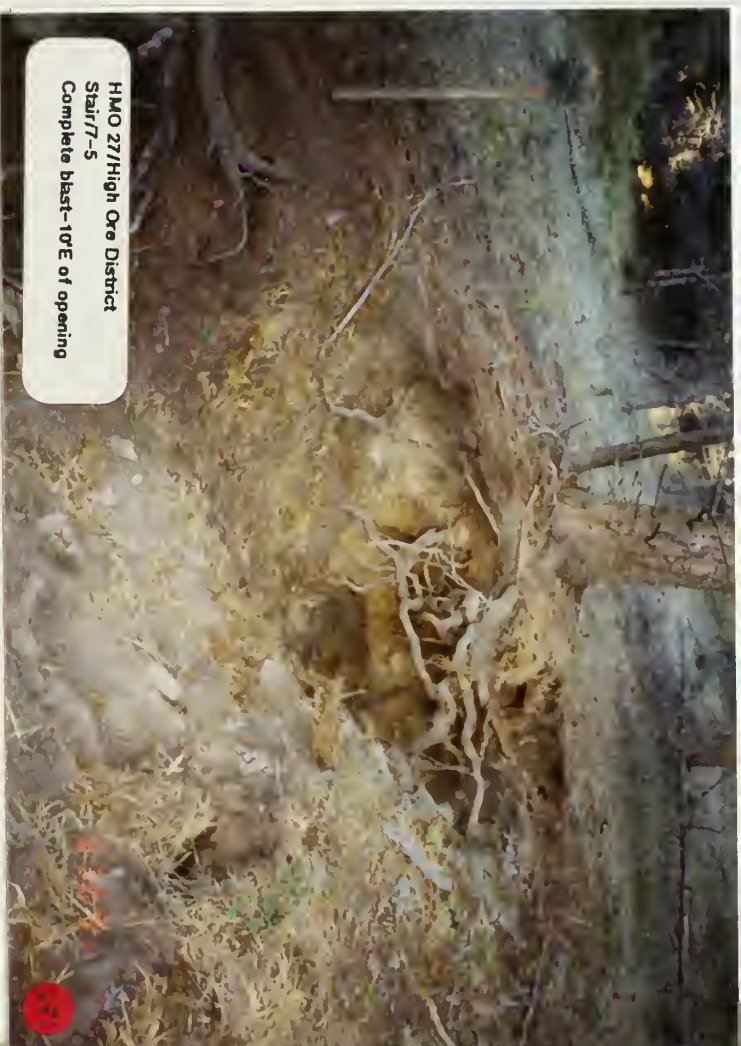




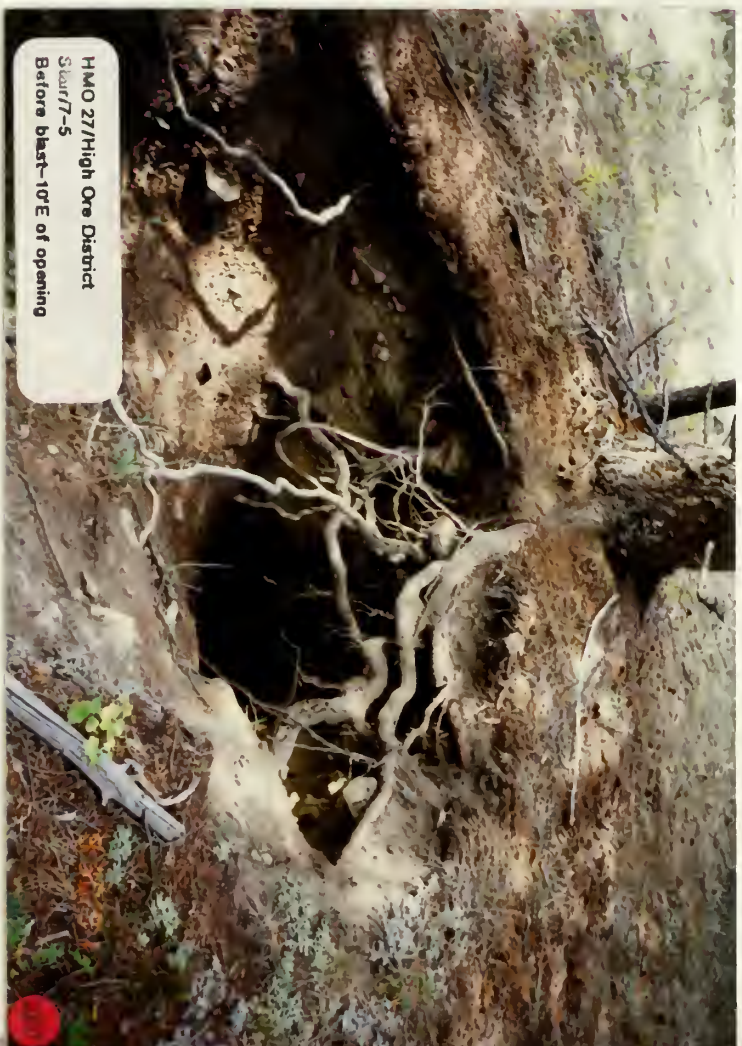
HMO 27/High Ore District  
SW NE Sec. 15/8-4  
Before culvert-30W of opening



HMO 27/High Ore District  
SW NE Sec. 15/8-4  
Complete culvert-25W of opening



HMO 27/High Ore District  
Staff-7-5  
Complete blast-10E of opening



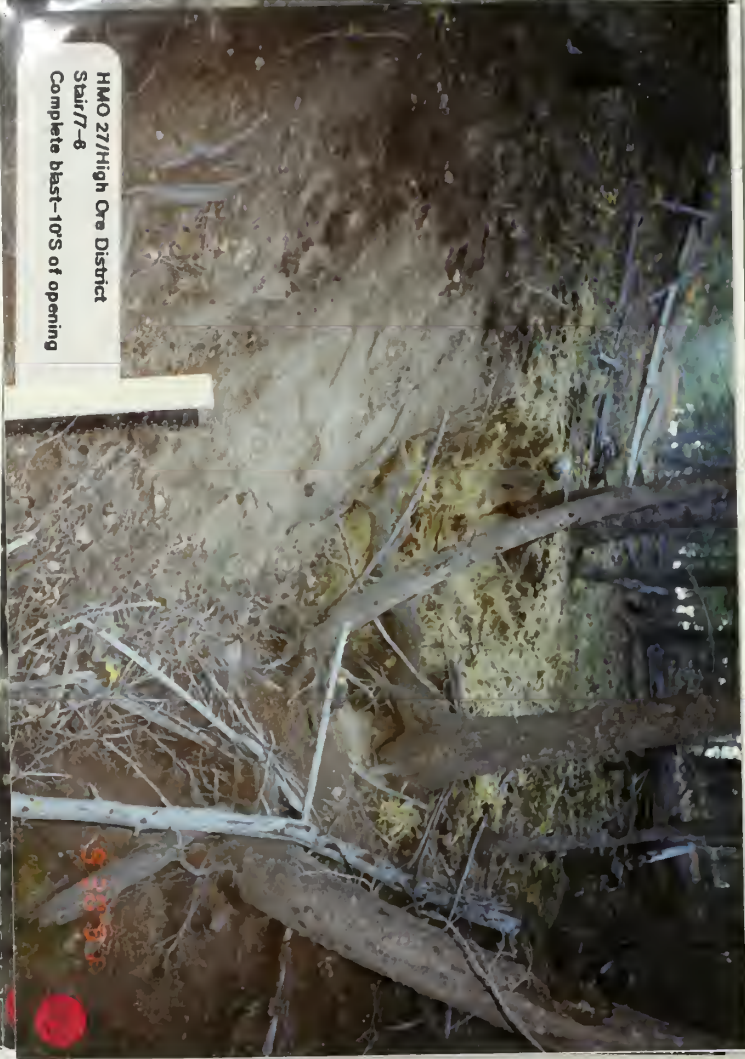
HMO 27/High Ore District  
Staff-7-5  
Before blast-10E of opening





HMO 27/High Ore District  
Stair/7-6  
Before Blast-10'S of opening

9 20 84



HMO 27/High Ore District  
Stair/7-6  
Complete blast-10'S of opening



HMO 27/High Ore District  
Will Partinson/8-7  
Complete blast-10'W of opening



HMO 27/High Ore District  
Will Partinson/8-7  
Before blast-10'W of opening

9 20 84



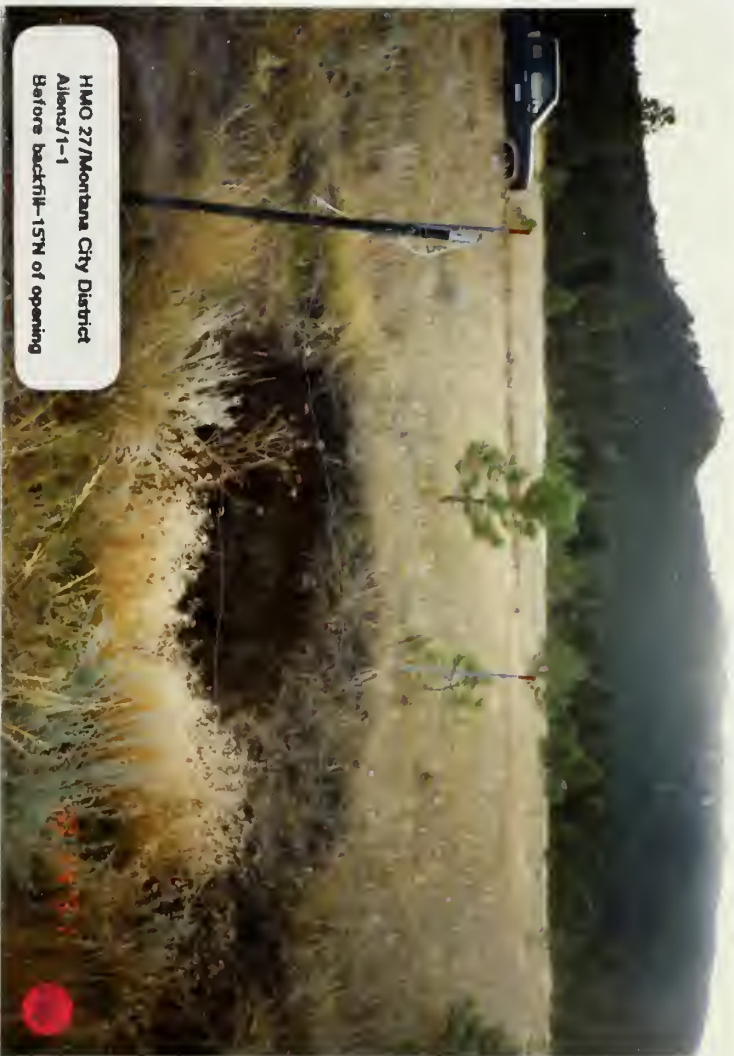




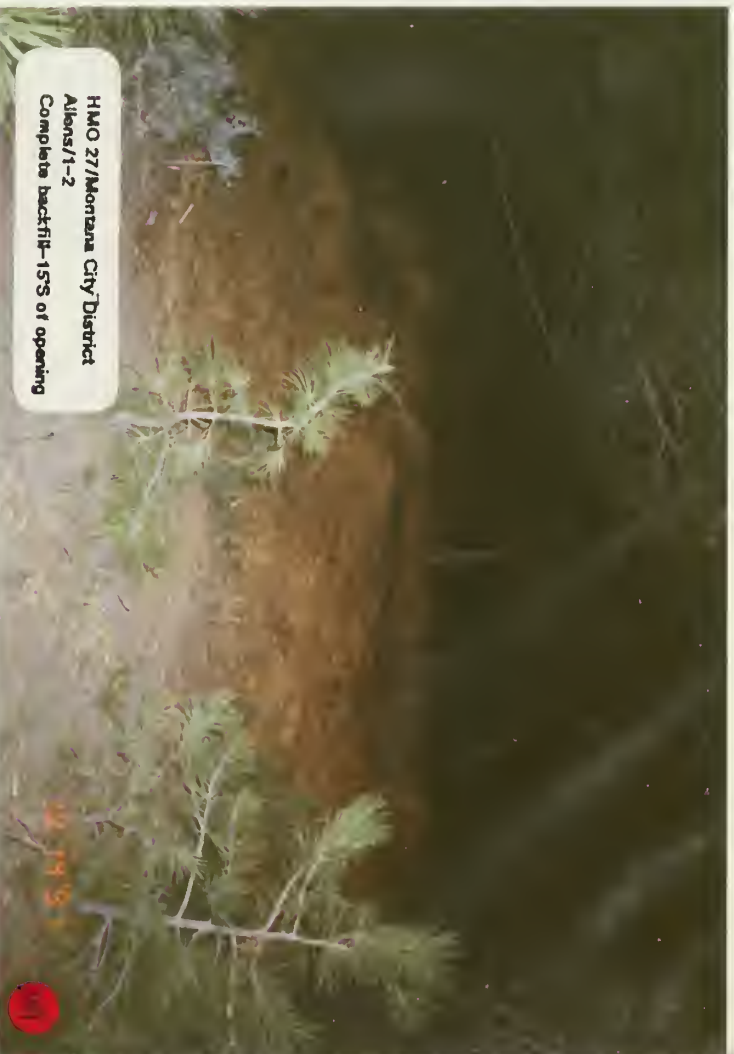








HMO 27/Montana City District  
Aliens/1-1  
Before backfill-15N of opening



HMO 27/Montana City District  
Aliens/1-2  
Complete backfill-15S of opening



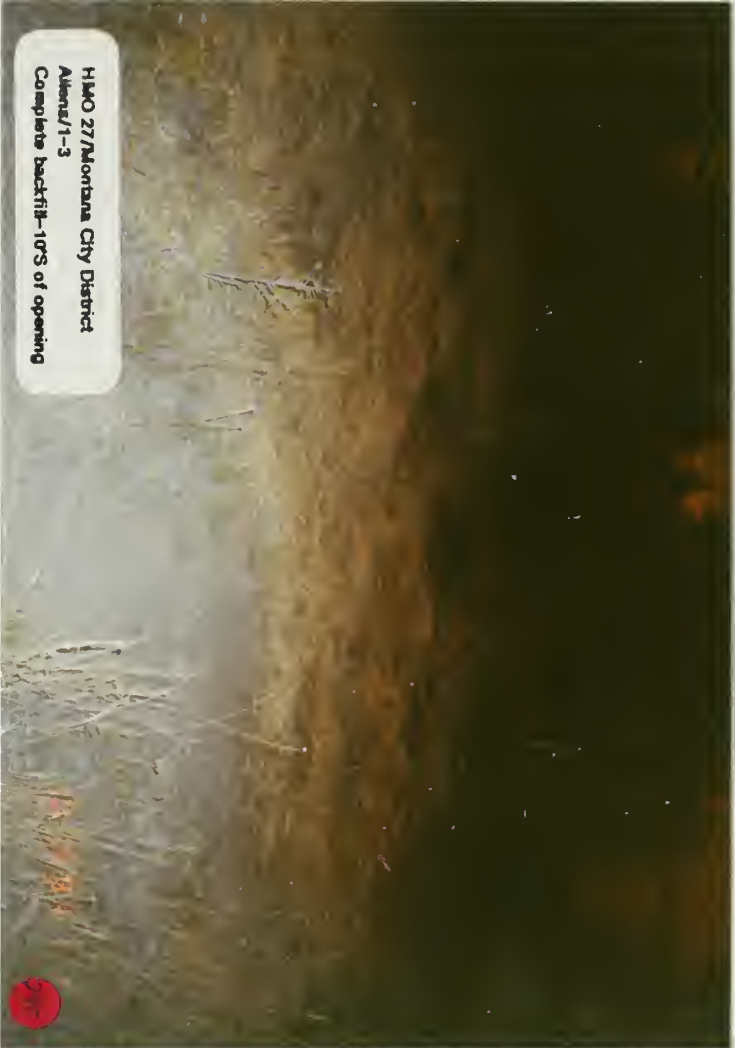
HMO 27/Montana City District  
Aliens/1-1  
Backfilling opening-20S of opening



HMO 27/Montana City District  
Aliens/1-1  
Complete backfill-20S of opening







HMO 27/Montana City District  
Adena/1-3  
Complete backfill-10'S of opening

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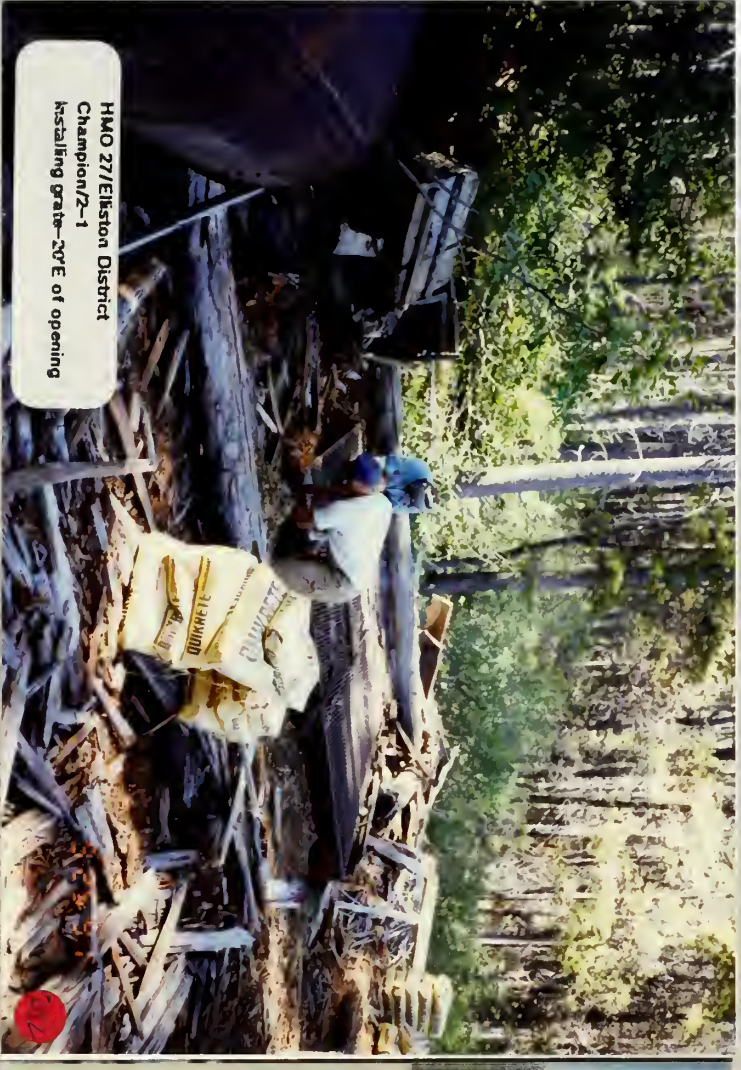




HMO 27/Elliston District  
Champion/2-1  
Before grate-SS of opening



HMO 27/Elliston District  
Champion/2-2  
Before backfill-SS of opening

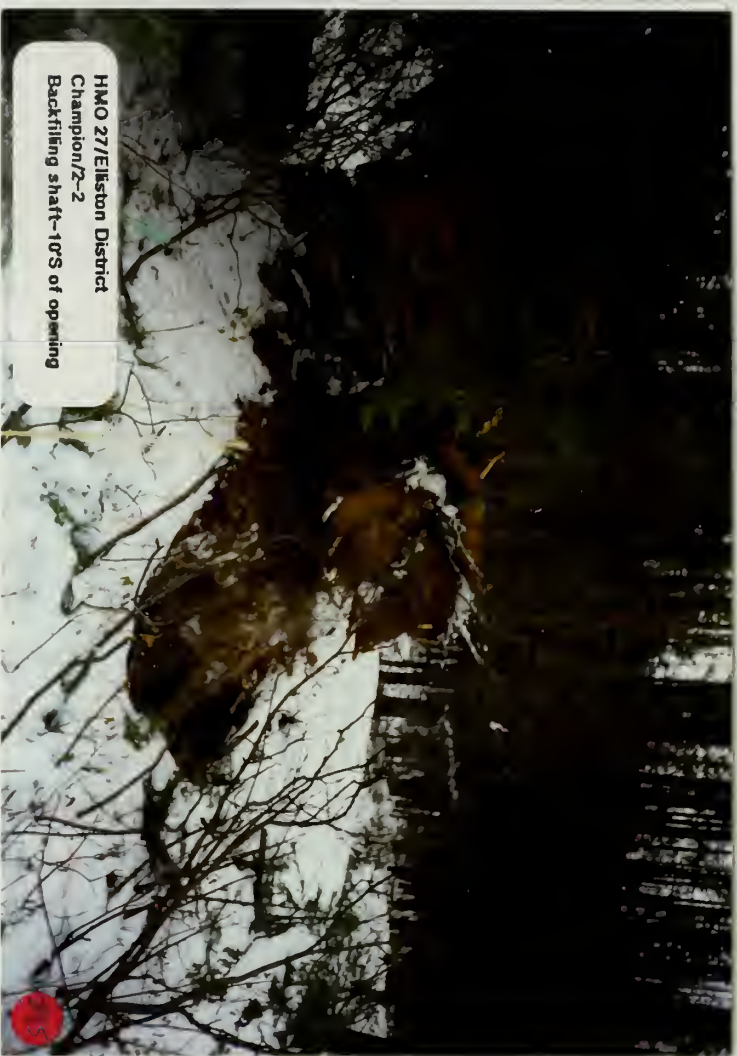


HMO 27/Elliston District  
Champion/2-1  
Installing grate-20'E of opening



HMO 27/Elliston District  
Champion/2-1  
Complete grate-10'E of opening





HMO 27/Elliston District  
Champion/2-2  
Backfilling shaft-10S of opening



HMO 27/Elliston District  
Champion/2-2  
Backfill complete-10S of opening



HMO 27/Elliston District  
Champion/2-3  
Before backfill-5S of opening



HMO 27/Elliston District  
Champion/2-2  
Backfill complete-20W of opening





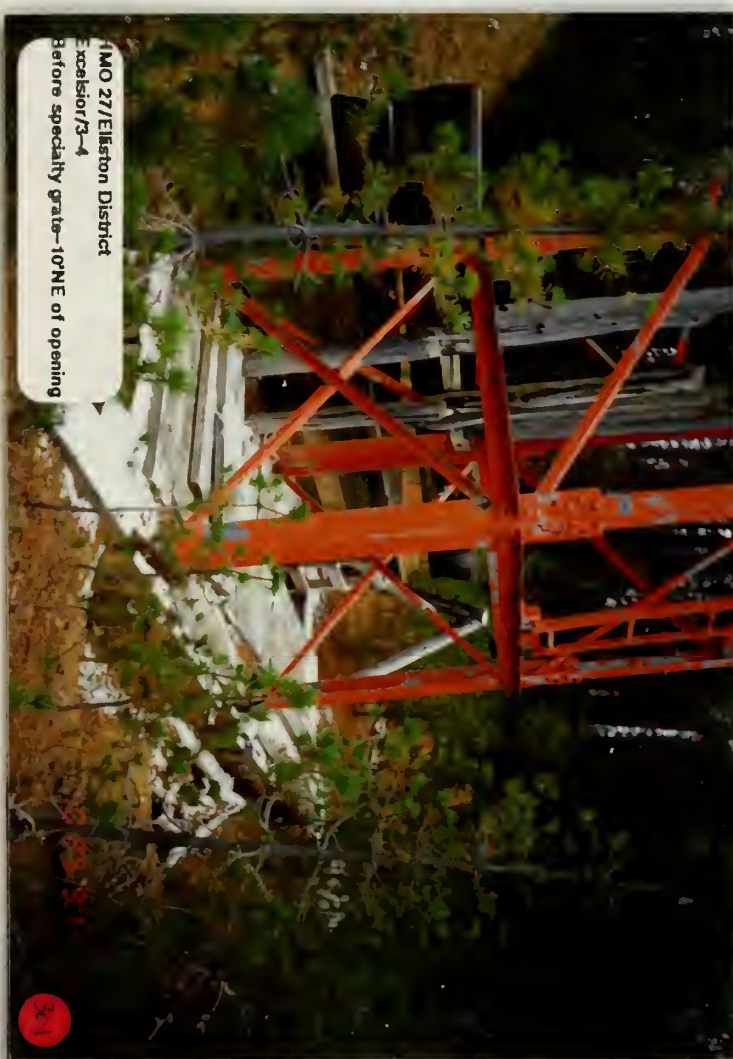
HMO 27/Elkston District  
Champion/2-3  
Backfilling shaft-10'S of opening



HMO 27/Elkston District  
Champion/2-3  
Backfill complete-20'N of opening



HMO 27/Elkston District  
Excelsior/3-4  
Installing specialty grate-10'E of opening



HMO 27/Elkston District  
Excelsior/3-4  
Before specialty grate-10'NE of opening

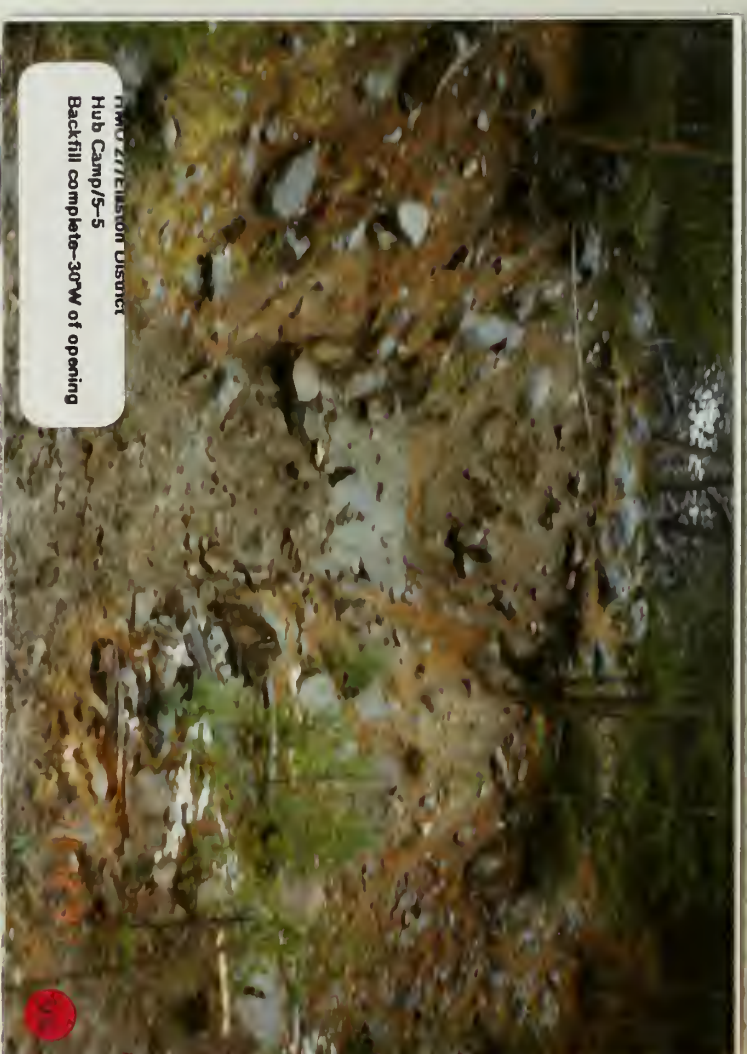




HMO 27/Elliston District  
Excelsior 73-4  
Complete gate-10'E of opening



HMO 27/Elliston District  
Hub Camp/5-5  
Before backfill-10'W of opening

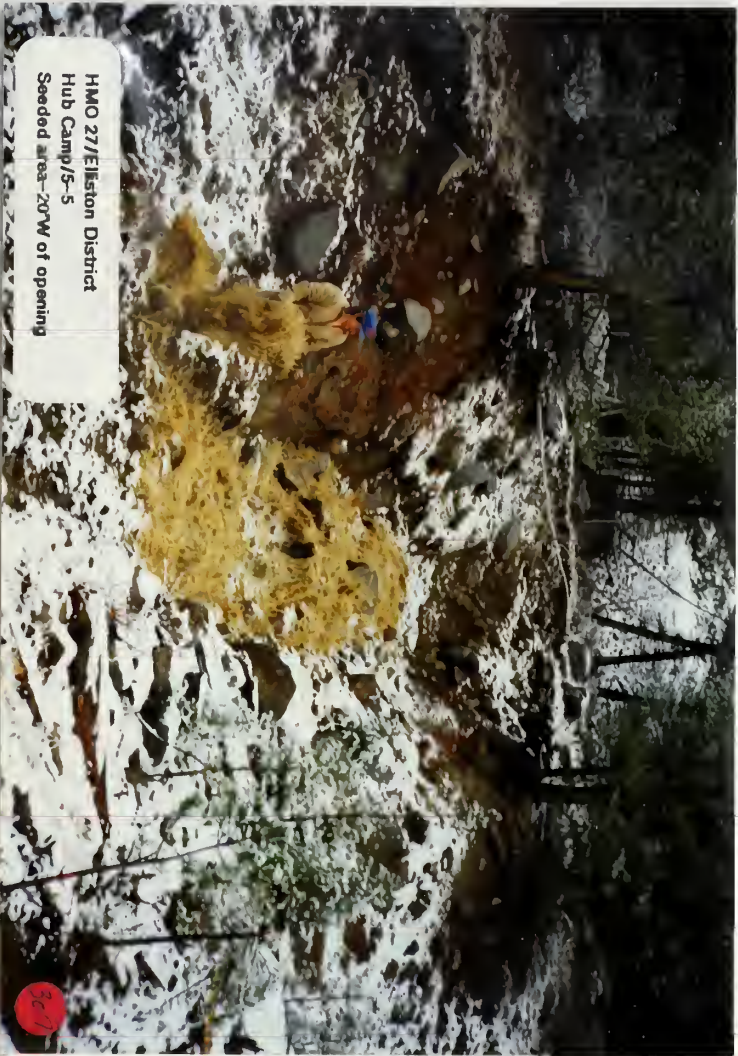


HMO 27/Elliston District  
Hub Camp/5-5  
Backfill complete-30'W of opening



HMO 27/Elliston District  
Hub Camp/5-5  
Removing timbers-20'W of opening





HMO 27/Elkston District  
Hub Camp/5-5  
Seeded area 20W of opening

367



HMO 27/Elkston District  
Julia/6-6  
Complete grate-10'E of opening

368



HMO 27/Elkston District  
Julia/6-6  
Before grate-20'S of opening

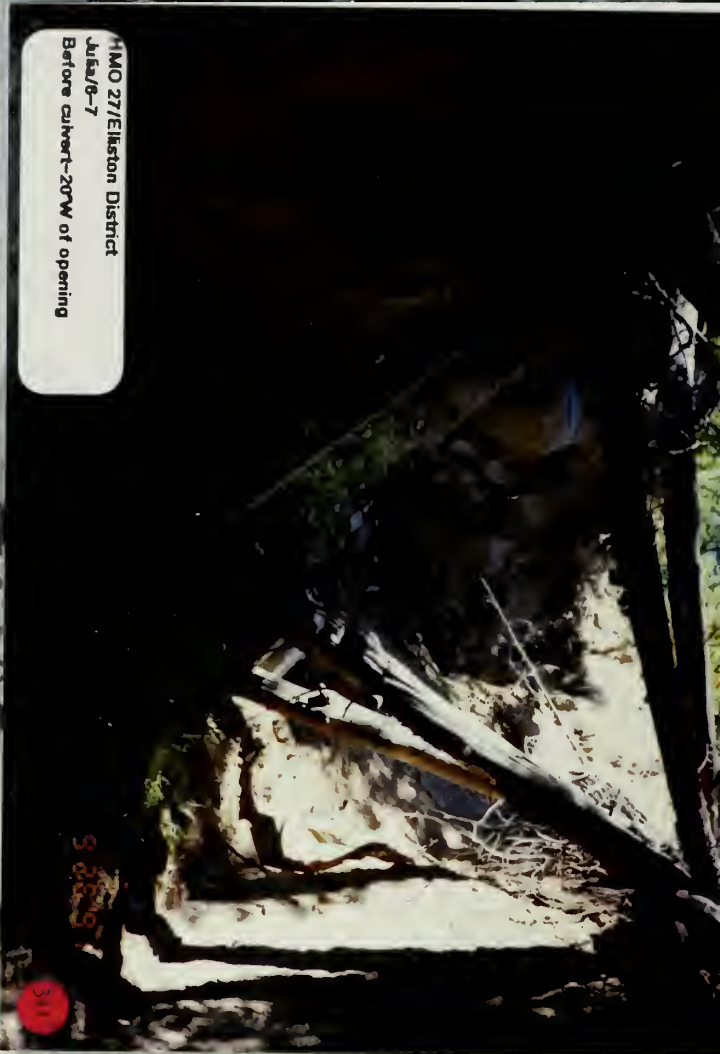
369



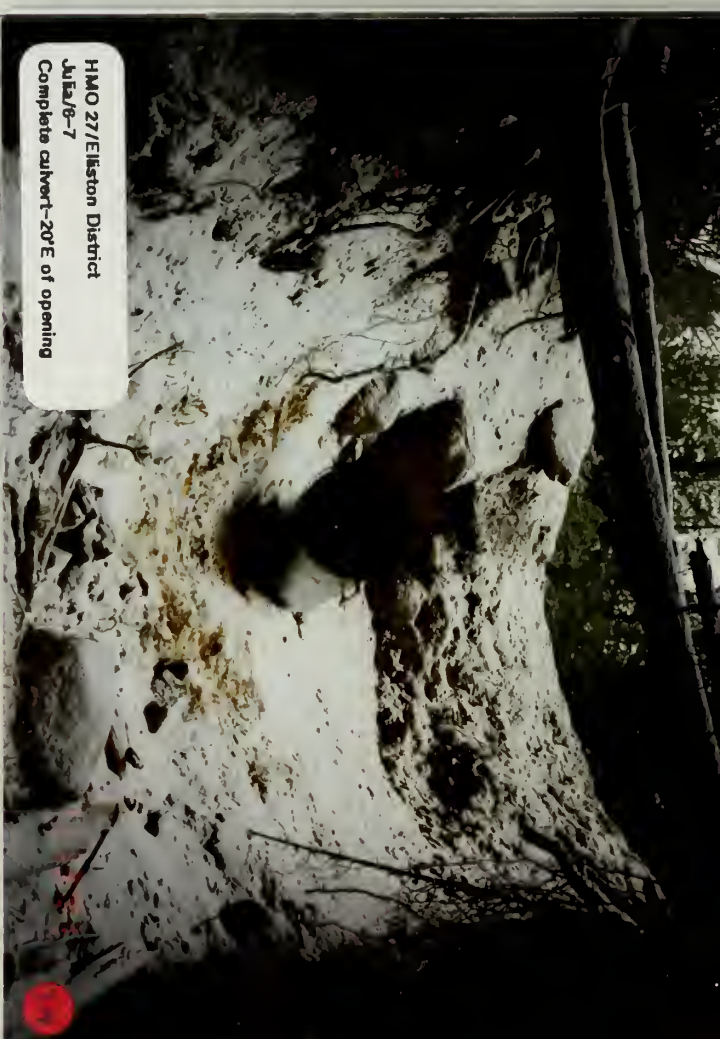
HMO 27/Elkston District  
Julia/6-6  
Installing grate-10'S of opening

370

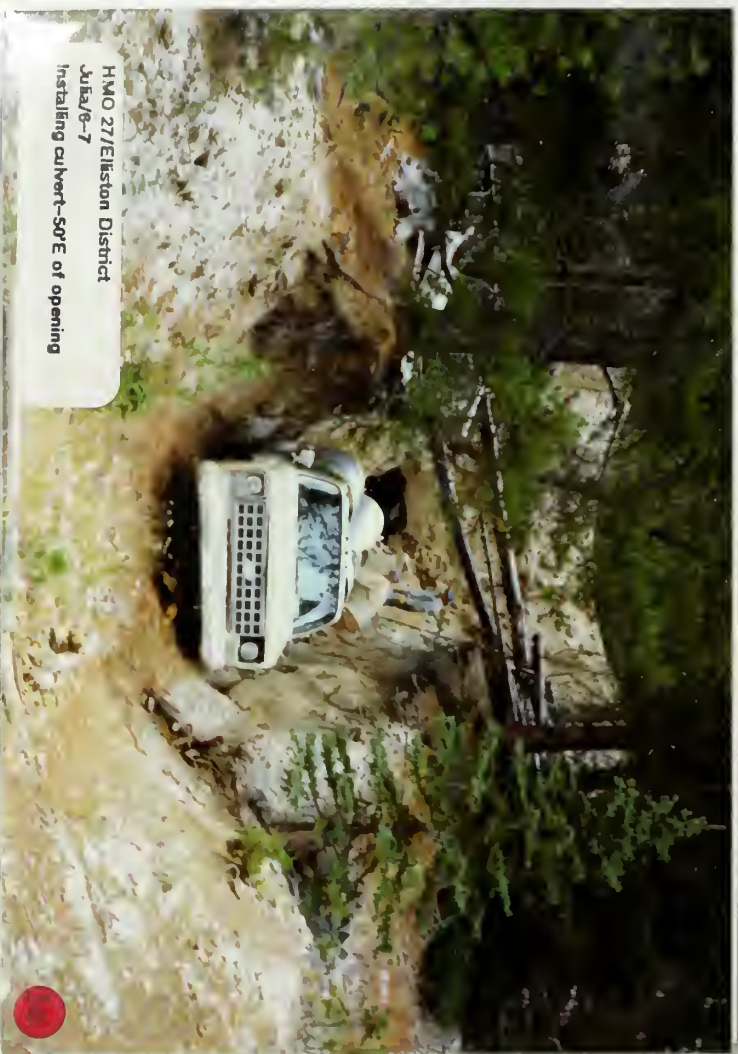




HMO 27/Elleston District  
Julia/6-7  
Before culvert-20W of opening



HMO 27/Elleston District  
Julia/6-7  
Complete culvert-20E of opening

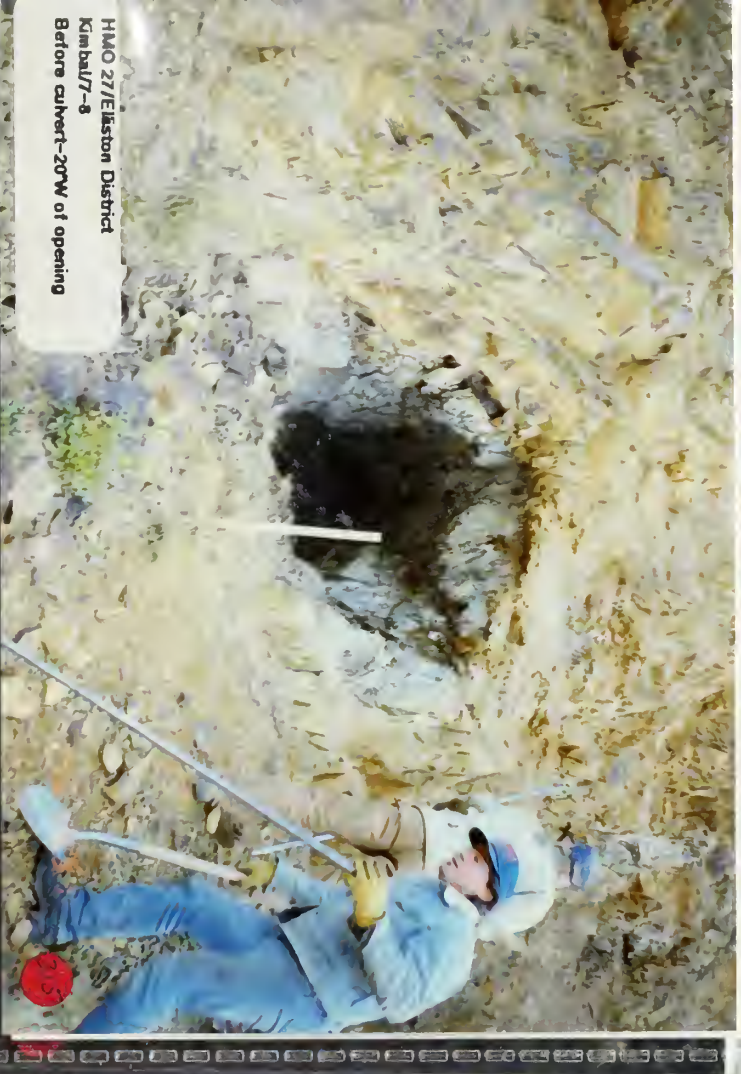


HMO 27/Elleston District  
Julia/6-7  
Installing culvert-SOE of opening



HMO 27/Elleston District  
Julia/6-7  
Installing culvert-25E of opening





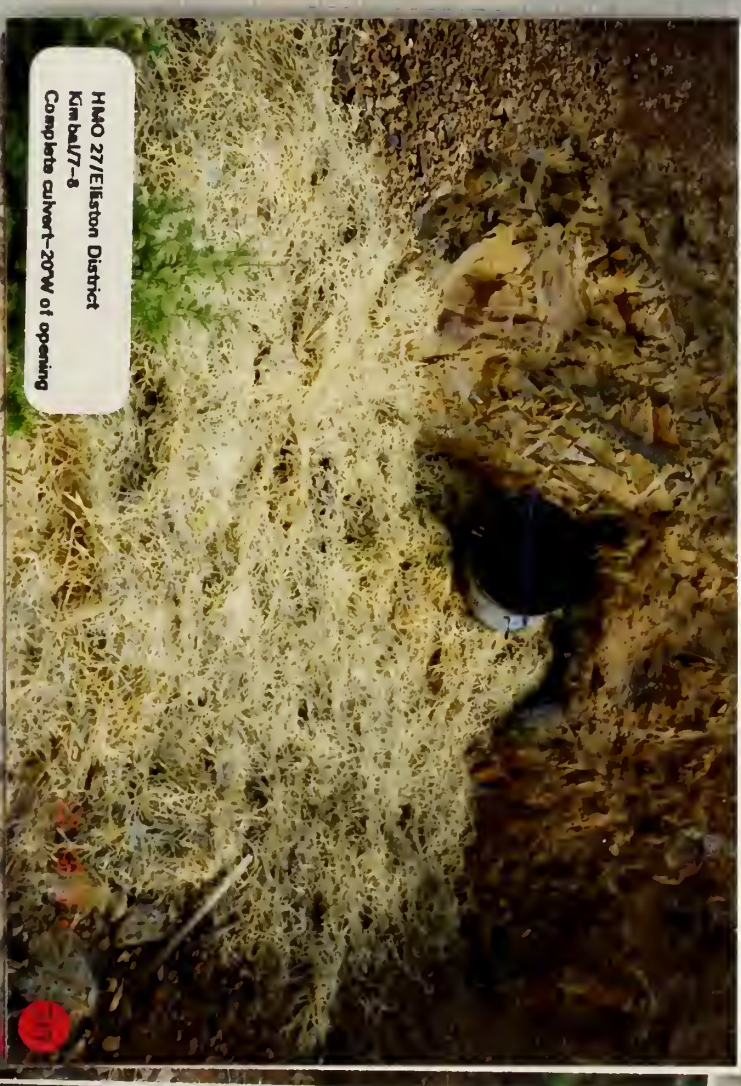
HMO 27/Election District  
Kim bal/7-8  
Before culvert-20W of opening



O 27/Election District  
Kim bal/7-8  
Installing culvert-20W of opening

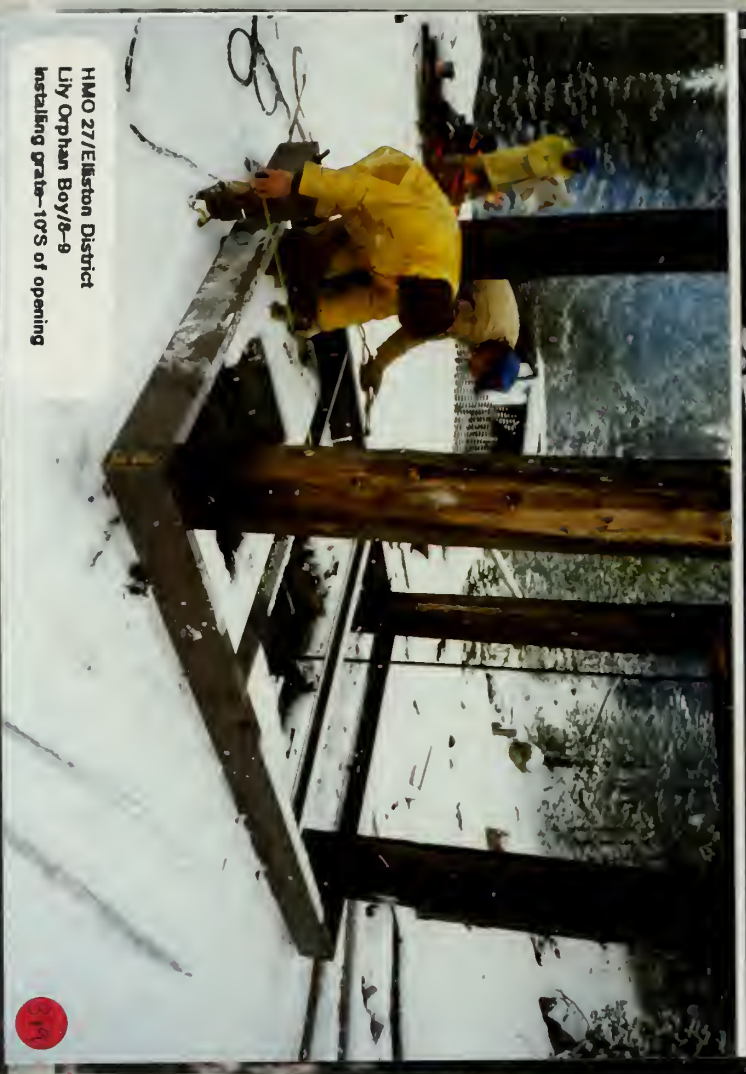


HMO 27/Election District  
Lily-Orphan Boy/8-9  
Before grate-10W of opening

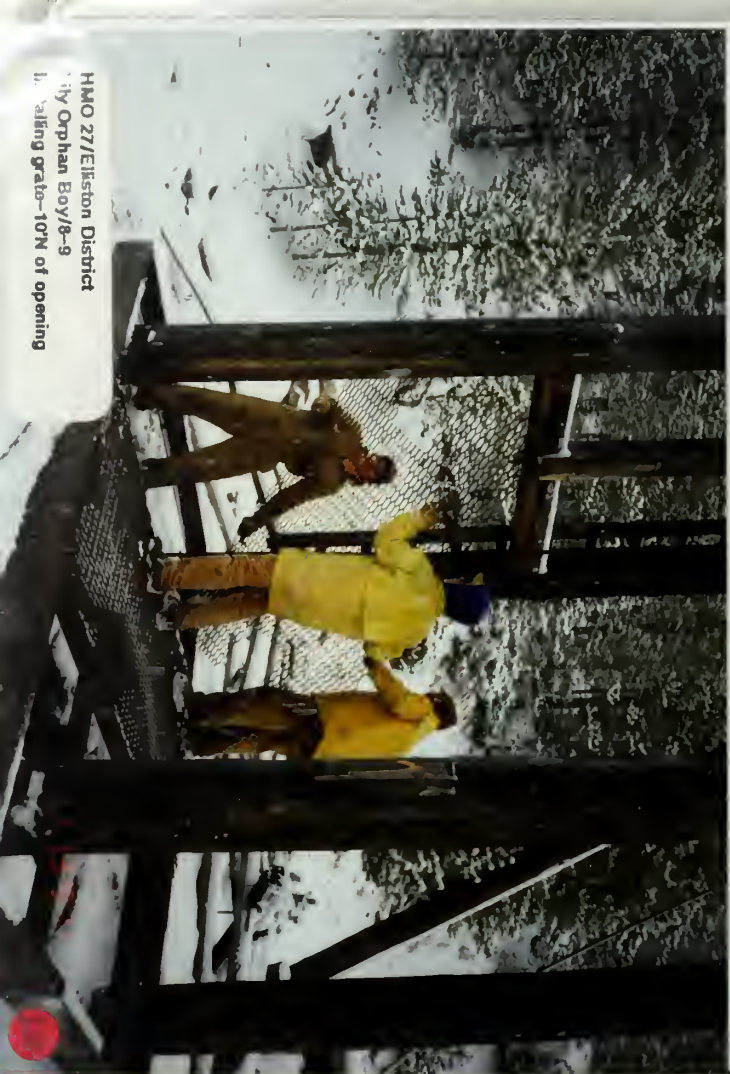


HMO 27/Election District  
Kim bal/7-8  
Complete culvert-20W of opening

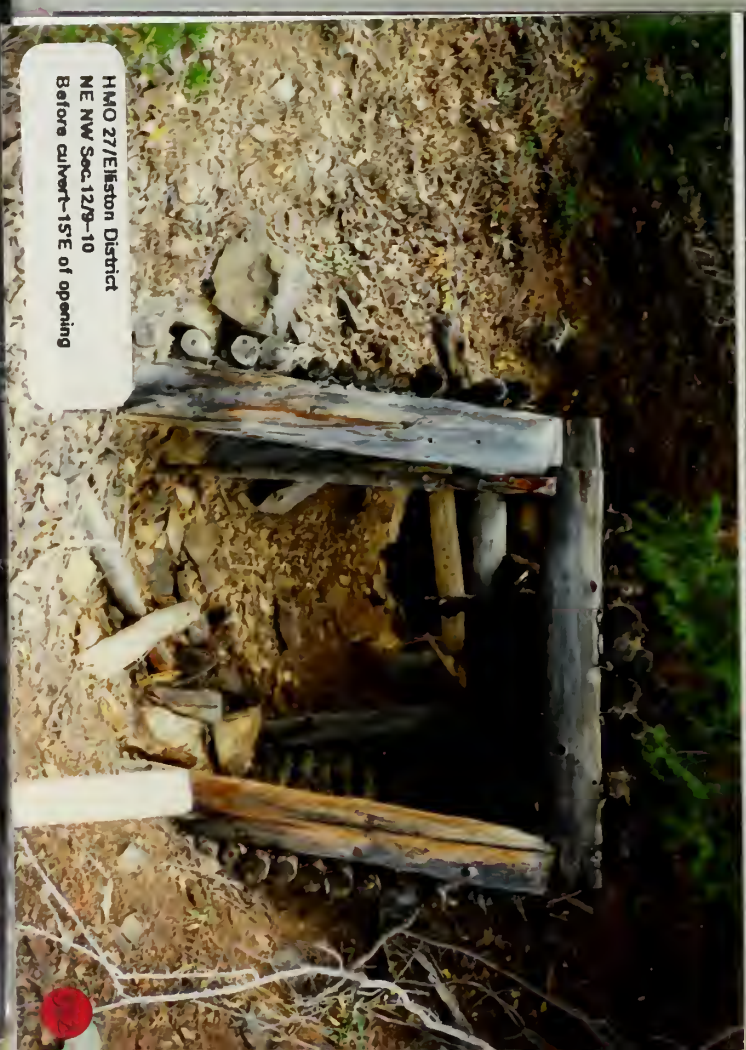




HMO 27/Elliston District  
Lily Orphan Boy/8-9  
Installing grate-10'S of opening



HMO 27/Elliston District  
Lily Orphan Boy/8-9  
Installing grate-10'N of opening



HMO 27/Elliston District  
NE NW Sec. 12/9-10  
Before culvert-15'E of opening

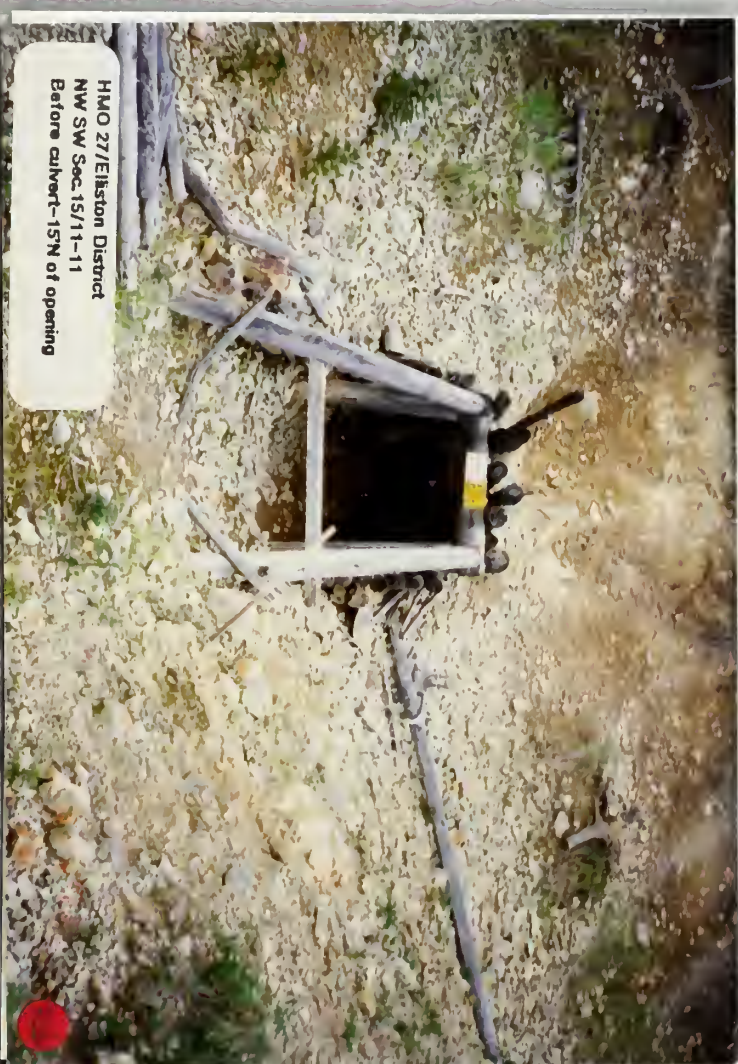


HMO 27/Elliston District  
Lily Orphan Boy/8-9  
Complete grate-10'W of opening





HMO 27/Elliston District  
NE NW Sec. 12/9-10  
Installing culvert-15'E of opening



HMO 27/Elliston District  
NW SW Sec. 15/1-11  
Before culvert-15N of opening



HMO 27/Elliston District  
NE NW Sec. 12/9-10  
Seeding disturbed area-15'E of opening

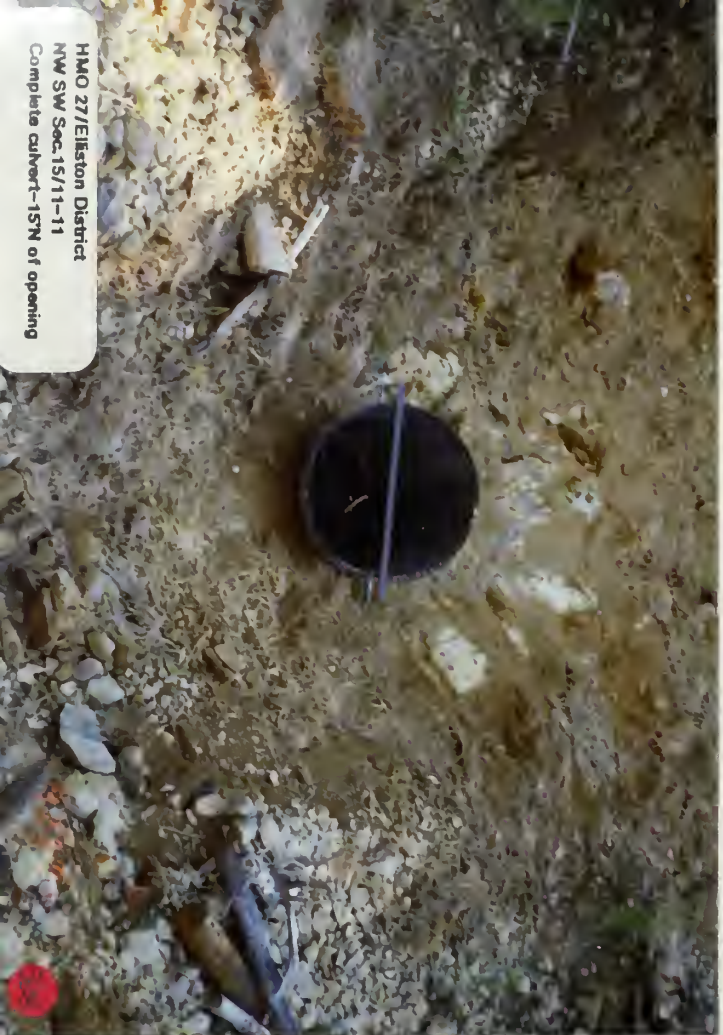


HMO 27/Elliston District  
NE NW Sec. 12/9-10  
Complete culvert-15'E of opening





HMO 27/Elliston District  
NW SW Sec.15/1-1-11  
Installing culvert-35N of opening



HMO 27/Elliston District  
NW SW Sec.15/1-1-11  
Complete culvert-15N of opening



HMO 27/Elliston District  
Orphan Widow/13-12  
Installing culvert-30N of opening



HMO 27/Elliston District  
Orphan Widow/13-12  
Before culvert-20N of opening





HMO 27/Elliston District  
Orphan Widow/13-12  
Complete culvert-30°N of opening

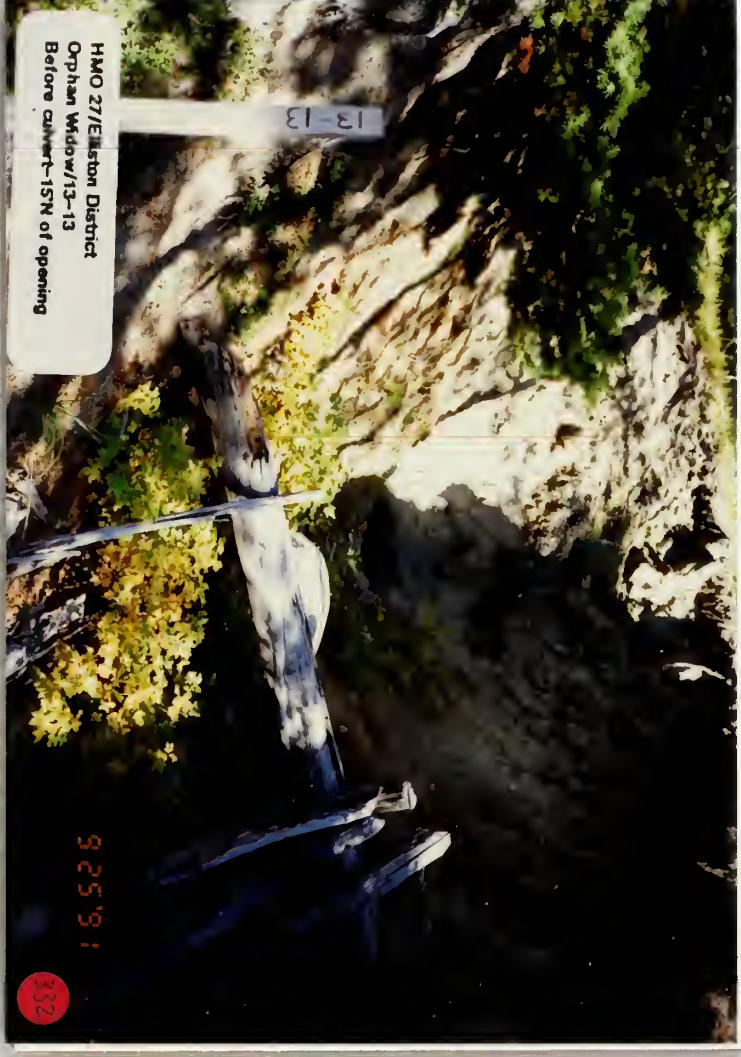
9 26 '9 :

331



HMO 27/Elliston District  
Orphan Widow/13-13  
Complete culvert-20°E of opening

9 27 '9 :



HMO 27/Elliston District  
Orphan Widow/13-13  
Before culvert-15°N of opening

9 25 '9 :

332

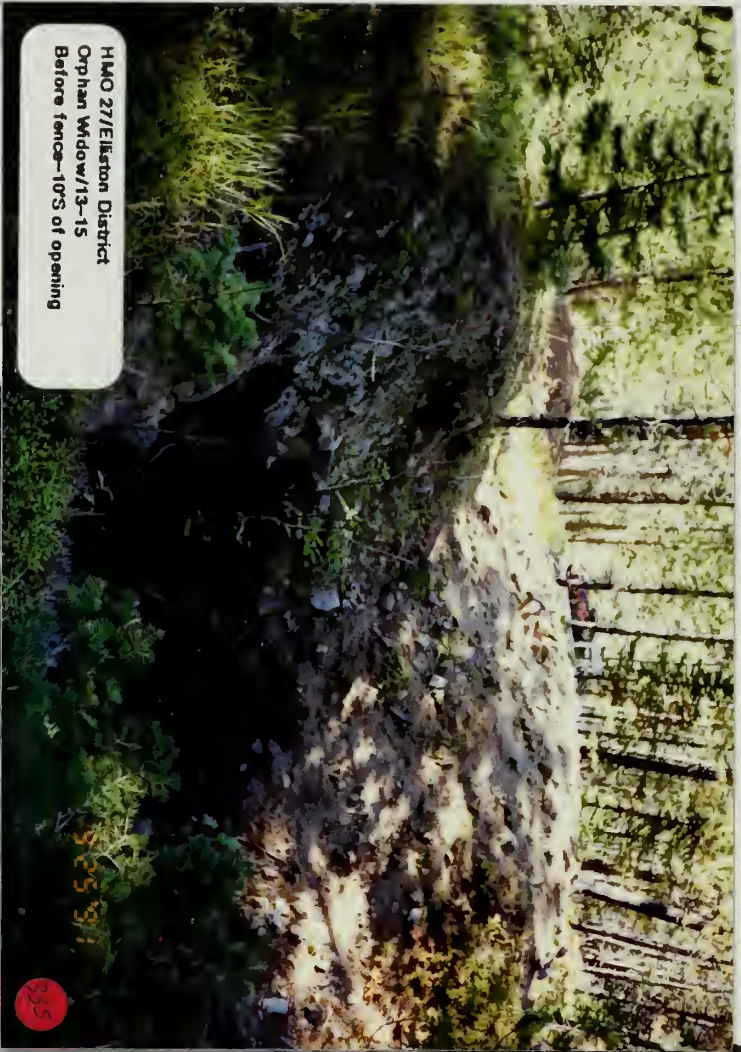


HMO 27/Elliston District  
Orphan Widow/13-13  
Installing culvert-10°N of opening

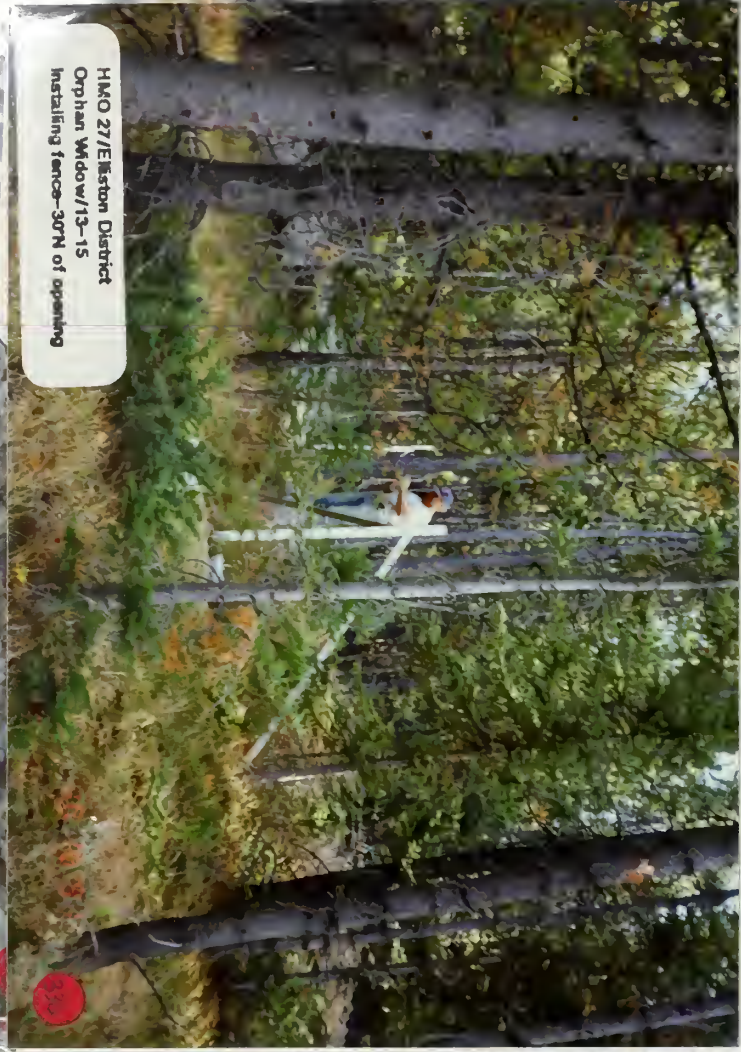
9 27 '9 :

333





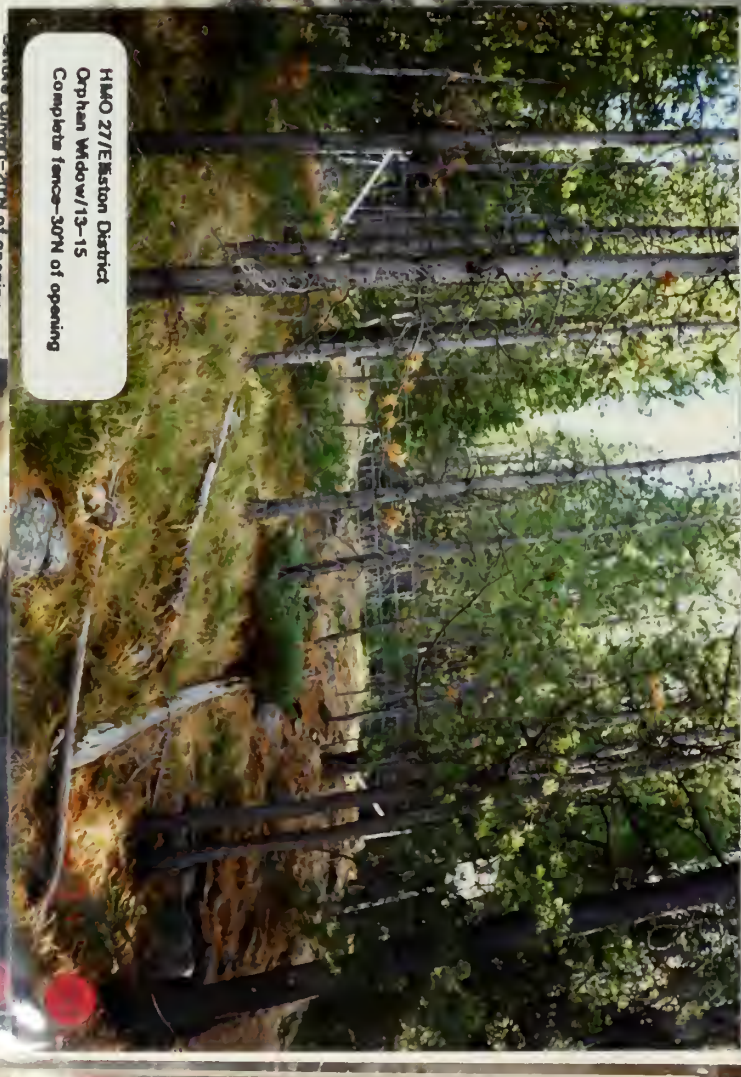
HMO 27/Ekston District  
Orphan Widow/13-15  
Before fence-10'S of opening



HMO 27/Ekston District  
Orphan Widow/13-15  
Installing fence-30'N of opening



HMO 27/Ekston District  
SE SW Sec.8/15-16  
Before culvert-10'W of opening



HMO 27/Ekston District  
Orphan Widow/13-15  
Complete fence-30'N of opening

Installing culvert-30'N of opening





HMO 27/Elliston District  
SE SW Sec.8/15-16  
Installing culvert-40' SE of adit



HMO 27/Elliston District  
SE SW Sec.8/15-16  
Installing culvert-20' SE of adit



HMO 27/Elliston District  
SE SW Sec.8/15-17  
Before fence-100' W of opening



HMO 27/Elliston District  
SE SW Sec.8/15-16  
Completing culvert-10' SE of adit

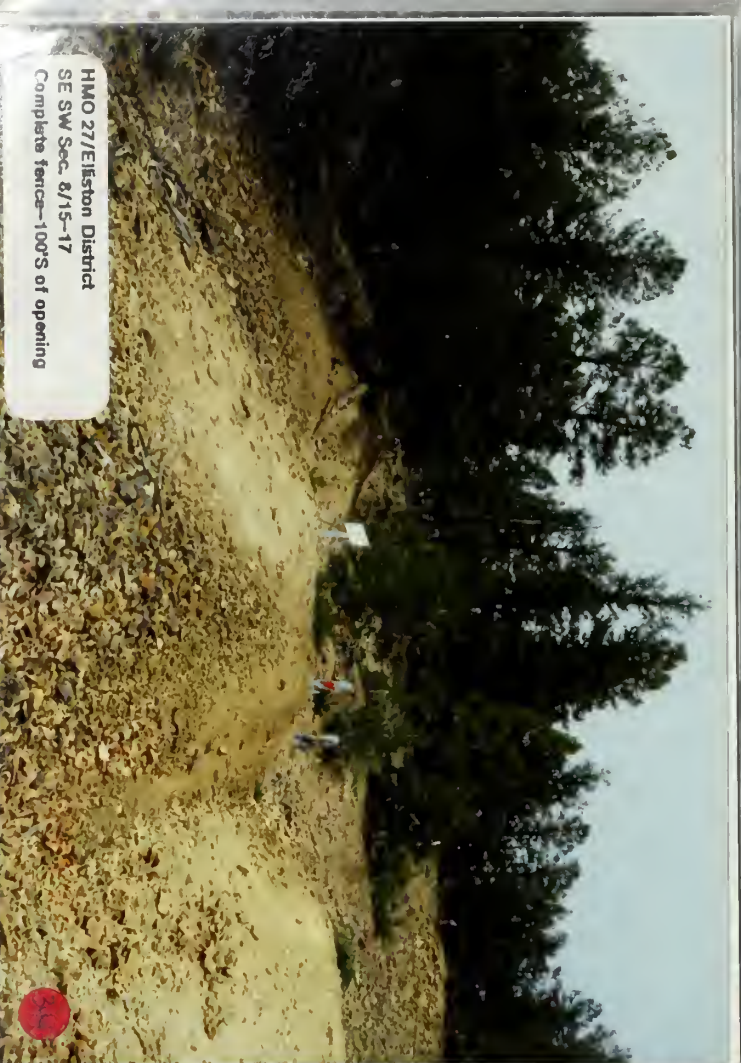




HMO 27/Elliston District  
SE SW Sec. 8/15-17  
Installing fence-20'S of opening



HMO 27/Elliston District  
SW NW Sec.26/17-18  
Removing adit-50'N of adit



HMO 27/Elliston District  
SE SW Sec. 8/15-17  
Complete fence-100'S of opening



HMO 27/Elliston District  
SW NW Sec.26/17-18  
Before culvert-20'NW of opening





HMO 27/Elliston District  
SW NW Sec.26/17-18  
Installing PVC drainage-30'N of  
opening



HMO 27/Elliston District  
Third Term/18-19  
Before backfill-30'S of opening



HMO 27/Elliston District  
SW NW Sec.26/17-18  
Installing hatch cover-30'N of  
opening



HMO 27/Elliston District  
SW NW Sec.26/17-18  
Complete culvert-30'N of opening





HMO 27/Elliston District  
Third Term/18-19  
Backfilling adit-30'N of opening



HMO 27/Elliston District  
Total Wreck/16-20  
Installing grate-15'S of opening



HMO 27/Elliston District  
Third Term/18-19  
Complete backfill-30'N of opening



HMO 27/Elliston District  
Total Wreck/16-20  
Before grate-10'S of opening

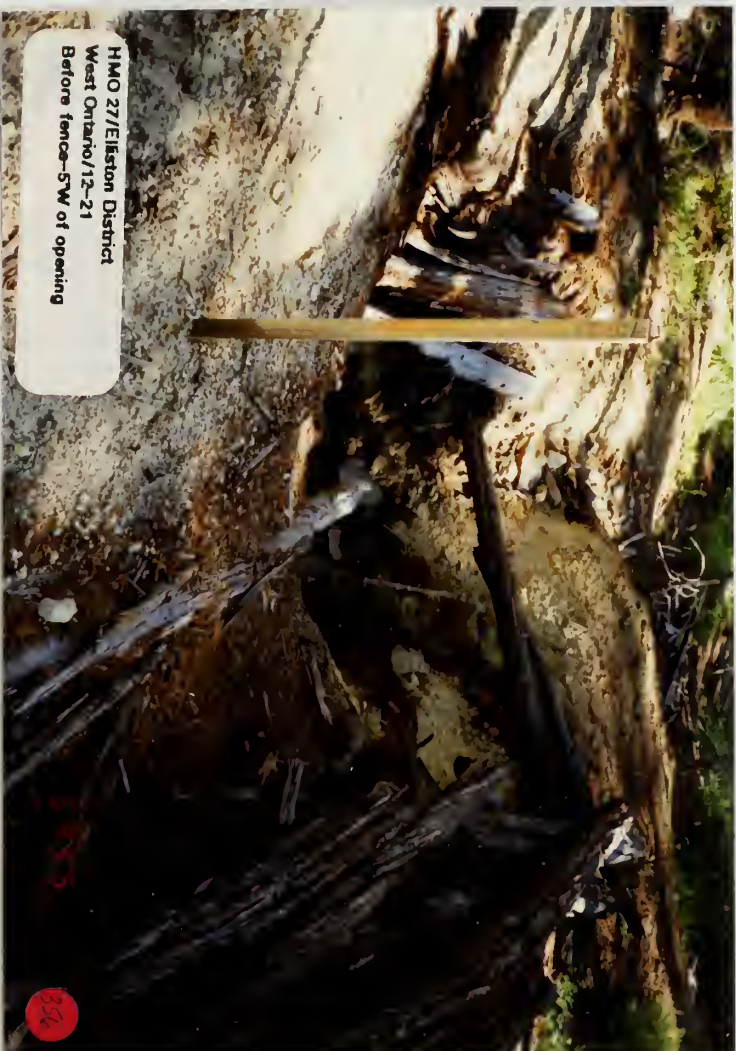






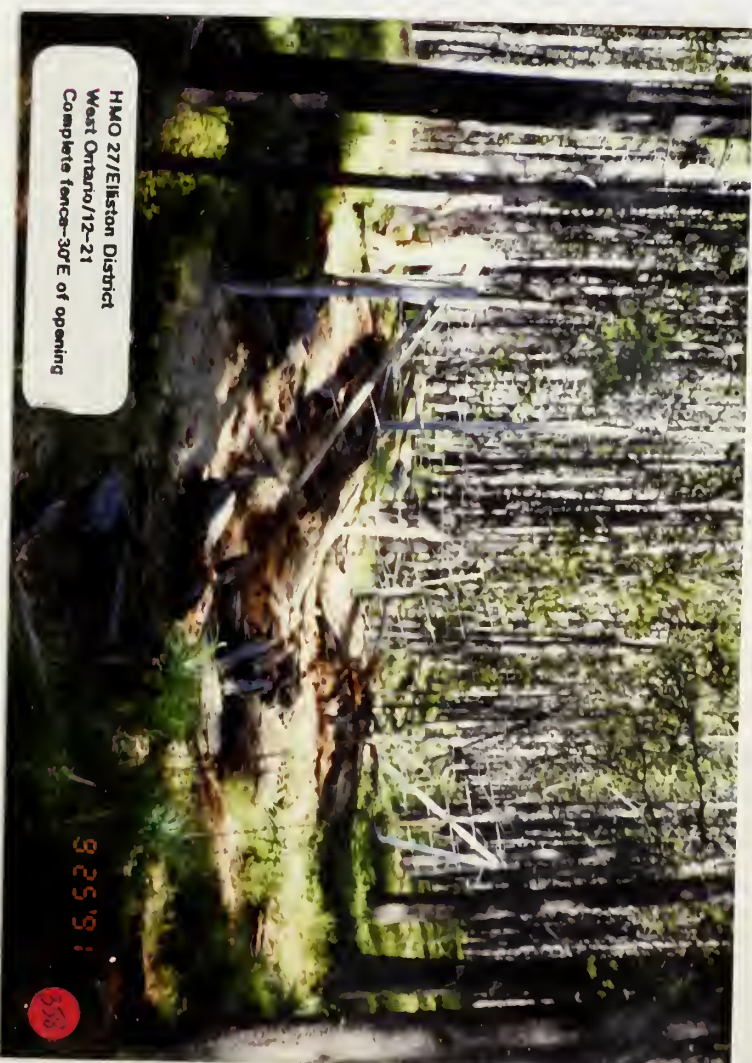
HMO 27/Elkston District  
Total Wreck/16-20  
Complete grate-10'S of opening

355



HMO 27/Elkston District  
West Ontario/12-21  
Before fence-SW of opening

356



HMO 27/Elkston District  
West Ontario/12-21  
Complete fence-30'E of opening

358



HMO 27/Elkston District  
West Ontario/12-21  
Installing fence-50'W of opening

359



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SEATTLE FILMWORKS 0700191







